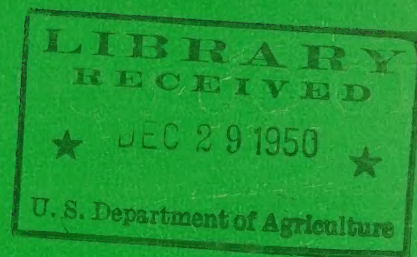


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.23

SPRING 1951



Geo. J. Ball
INC.

WEST CHICAGO
ILLINOIS

"^{BETTER} Flower Seeds for Florists"

TO OUR CUSTOMERS:

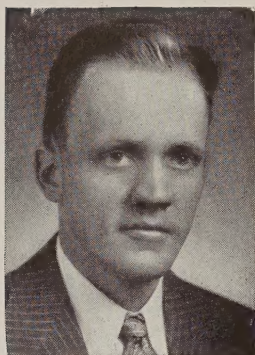
One of the most interesting aspects of operating a business largely by mail, such as ours, is becoming acquainted with our many thousands of customers everywhere. Our mail opening department knows many of you by your envelopes and letterheads. Our department heads and correspondents know many of you by the problems that you ask us to help you with.

When you have occasion to write us we would like to have you feel that you are writing to an individual person rather than a company. We who answer your letters always try to find someone's name to whom we can address our letter. That is why I am taking this opportunity to introduce some of us to you so that we can put our dealings on a more personal basis.

Yours for better and more interesting business!

George K. Ball

President



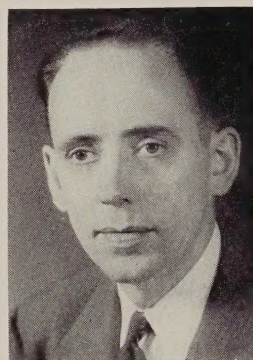
G. CARL BALL

In charge of sales. Keeping in touch with our sales force (see inside back cover for pictures of his charges), advertising and catalog work are his chief interests. Also trial ground work and keeping up with "what's new" in "Flower Seeds for Florists."



GEORGE K. BALL
Our President

"GK" is eminently qualified; having been with the firm since 1931; he has, in common with most of us, worked up from the bottom in the "school of hard work" of his father, the founder of our business.



VIC BALL

Our Vice-President. Vic's time is divided between responsibility for management of our greenhouse range and editorship of "Grower Talks." His favorite pastime is mixing business with pleasure like flying visits in our Beechcraft to swap notes with florist friends.

CLARENCE BAHNFLETH

In charge of our bulb department. Another "old timer" who really came up the hard way. Clarence started in the seed department in 1930 and assumed his present position in 1945. Keeping track of our growing, buying and selling operations in bulbs is his big job.



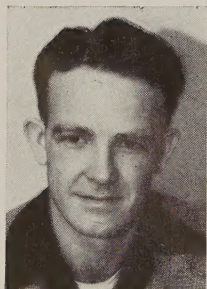
PHIL JONES

Plant breeder and also in charge of seed production and our trial ground work. Phil is one of our best posted horticulturists. Among his accomplishments as a plant breeder: Ball Red and Ball Deep Rose Begonia, Peace Snap and several of our Ball Hybrid Snaps.



ARNE KNUTSSON

In charge of our seed buying. A native of Denmark, Arne not only keeps us in close touch with European sources of new flower strains (Felix Pansy, for instance), but also brings to us that very valuable "something" characteristic of the European approach to the seed business.



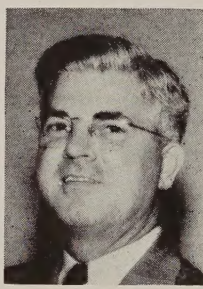
RICHARD A. MILLER

Dick is in charge of the all-important job of seed germination, as well as other seed department activities. Dick came to us last year from the floriculture department of Purdue University, and is a native of Fort Wayne, Ind.



ELISE ANDREW

Elise can recall the days when the "staff" consisted of four or five people and the Ball boys were still reaching up to look over the tops of the greenhouse benches! Elise is chiefly in charge of our accounting department.



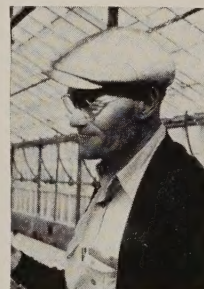
GLEN DAVIS

The latest addition to our official family. Glen started with us October 1, 1950, and is manager of our Plant Department. Glen is a native of Centerville, Indiana, and is no stranger to a greenhouse, having been "brought up" in one.



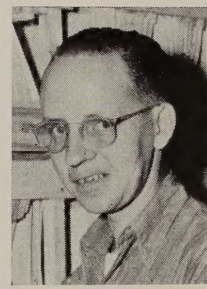
F. D. BALZHISER

Brother of Geo. J., Uncle Frank joined him in the late '20's to establish an office routine to handle a fast increasing seed business. Now managing editor of "Grower Talks" and head of our Plant Band Department.



HERB. BUHR.

Greenhouse superintendent, and our oldest (from the standpoint of service!) employee. Herb. was running temperatures while Geo. J. slept on top of the boiler with two alarm clocks at his head to awaken him when the boiler needed firing!



BOB BALL

Bob has "doubled in brass" on numerous occasions, having been a grower, salesman and seed department man at different times. Now in charge of our modern new warehouse, and bulb and plant shipping.

What's New for '51?

New (and recent) introductions are listed here to provide the reader with a quick reference to our '51 novelties by species

PETUNIAS

Double **Canadian Queen** is a pure pink, delicate shade, extra large flowered, uniform, and carries its flowers well above the foliage. The finest double we've ever offered. $\frac{1}{2}$ tr. pkt., \$2.50; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$7.60; $\frac{1}{64}$ oz., \$14.45.

La Paloma, An F1 hybrid, medium flower size, heavily fringed white single, was a "knockout" in our summer trials, and is suggested for either bedding or pots. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$2.00; $\frac{1}{128}$ oz., \$3.80; $\frac{1}{64}$ oz., \$7.45.

Not new this year, but well worth a try are the following hybrids: **Rose Charm**, an extremely strong growing deep rose single. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{128}$ oz., \$3.50; $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$11.70. **Bolero**, a deep rose fringed, best suited for pots; and **Tango**, a fringed variety a little on the salmon side. Tango and Bolero, priced at $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$2.00; $\frac{1}{128}$ oz., \$3.80; $\frac{1}{64}$ oz., \$7.45. Also **Silver Medal**, a hybrid. Tall and exceptionally vigorous, salmon-rose, on our list for the first time this year. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{128}$ oz., \$3.50; $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$11.70.

MARIGOLDS

In Marigolds, two tall varieties are new this year: **Frills**, a golden orange with an exceptionally graceful flower form. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50. Also **Glitters**, a golden African type. Tr. pkt., 35c; $\frac{1}{16}$ oz., 75c; $\frac{1}{4}$ oz., \$2.50; 1 oz., \$7.50.

ZINNIAS

In Zinnias the old Striata type has been somewhat improved and re-introduced this year as **Peppermint Stick**—medium flower size, striped petals—mixture. Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00; 4 ozs., \$3.20.

PANSY

If you care to try a mid-winter sowing of Pansies, our new **Felix** is a good novelty and should be quite saleable. A complete color mixture, all with characteristic "whiskered" or penciled face.

Tr. pkt., \$1.00;
 $\frac{1}{8}$ oz., \$3.00;
 $\frac{1}{4}$ oz., \$5.00;
1 oz., \$15.00.



FELIX PANSY

DELPHINIUM

Not an annual, but of considerable interest this year is the long awaited pink Delphinium, **Astolat**—a mixture of pink shades. Limit 1 pkt., (about 200 seeds), \$1.25.

TITHONIA

The same firm which originated Fire Chief Petunia last year will put considerable publicity behind a Tithonia variety, **Torch**. It will be handled mostly by gardeners, direct seeded; but you will no doubt get some calls for plants, so better be ready. Culture like Zinnas. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.50.

SALVIA

Rose Flame, a coral-rose similar to Blaze of Fire in habit, is offered. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.00.

A CONDENSED INDEX — FOR YOUR CONVENIENCE

See Inside Back Cover for Complete List

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The dot (•) indicates varieties most dependably satisfactory in our experience and observation.



"Flower Seeds

George Ball
INC.
WEST CHICAGO
ILLINOIS

for Florists"

Ball

OUR ANNUAL SPRING POT PLANT TRIALS

... revealed the notable improvements in the general quality of doubles offered this year. Among the most impressive are:

Canadian Queen. A completely new strain—pure pink. Uniform and large flowered.

Colossal Shades of Rose. New shades of salmon and a minimum of the deeper, less saleable shades of purple.

Allegro. Much greater uniformity of flower size and habit this year.

Ball All-Double and Canadian All-Double Mixtures. Both contain substantial quantities of newly improved Canadian strains such as Canadian Queen and Colossal Shades of Rose.

●NEW! CANADIAN QUEEN

(Pictured above)

Our finest pink double. Medium pink, fully fringed and ruffled, large compact flower, dwarf base branching habit, yet carries its flowers high. This is the highest state of perfection so far achieved by the breeder of our famous Canadian strains. A rather shy seeder, therefore supply will be limited. 1/2 tr. pkt., \$2.50; tr. pkt., \$4.00; 1/128 oz., \$7.60; 1/64 oz., \$14.45.

GAIETY

This is the dwarfest double on our list. Not extra large flowered, but a uniformly mottled pink and white color makes it quite popular.



CANADIAN ALL-DOUBLES

Mixtures

●BALL ALL-DOUBLE MIXTURE

(Formula Mixture)

We've added sufficient quantities of separate color white, salmon and blue All-Double varieties to our already well known Canadian Mixture to insure a complete and well-balanced formula mixture of **all colors**. In blending this mixture we have tried to arrive at the ideal combination of colors and have spared no cost in doing so. 1/2 tr. pkt., \$2.50; tr. pkt., \$4.00; 1/128 oz., \$7.60; 1/64 oz., \$14.45.; 1/32 oz., \$28.00.

●**Canadian Mixture, Improved.** Our 1950 crop of Canadian doubles is basically improved by the addition of more fine rose, pink and salmon shades. The excellent germination, rich coloring and uniformly dwarf but vigorous and free-branching habit of this fine Petunia have been favorably commented on by growers everywhere. 1/2 tr. pkt., \$2.00; tr. pkt., \$3.50; 1/128 oz., \$6.65; 1/64 oz., \$12.60; 1/32 oz., \$24.00.

Colossal Shades of Rose, Imp. The largest flowered All-Double Petunia. Shades of pink and salmon-rose—much improved this year by the virtual elimination of the sometimes objectionable deep magenta-rose shades. 1/2 tr. pkt., \$1.75; tr. pkt., \$3.00; 1/128 oz., \$6.50; 1/64 oz., \$11.75; 1/32 oz., \$22.00.

Separate Colors

America. Medium sized bright rose flowers very freely produced on a medium tall plant. If pinched once will produce a very nice pot plant. 1/2 tr. pkt., \$1.25; tr. pkt., \$2.00; 1/128 oz., \$3.50; 1/64 oz., \$6.50; 1/32 oz., \$11.70.

●**Canadian Queen.** Medium pink. See description under cut upper left. 1/2 tr. pkt., \$2.50; tr. pkt., \$4.00; 1/128 oz., \$7.60; 1/64 oz., \$14.45.

Black Prince. A bright purple, dwarf, medium flower size. Very popular in Canada—never before offered to the American trade.

●**Northern Lights.** A light rose-pink, some plants showing a mottled or bicolored pink and white effect similar to Gaiety, illustrated. Considerably larger flowered than Gaiety, but not quite as dwarf. A very uniform strain in habit of growth.

●**Rose of Canada.** Fully double, bright medium rose flowers about 3 inches across are freely produced on compact, bushy plants. Here's your chance to grow all the spring pot plants you need of the most popular color in Double Petunias.

Prices above 3 each: 1/2 tr. pkt., \$2.00; tr. pkt., \$3.50; 1/128 oz., \$6.65; 1/64 oz., \$12.60; 1/32 oz., \$24.00.

Burpee Orchid (New). According to our observations this is the most suitable of the orchid or lavender doubles for pot use. 1/2 tr. pkt., \$2.50; tr. pkt., \$4.00; 1/128 oz., \$6.65; 1/64 oz., \$14.45.

All-Double Petunias

We feel that you will be more than ever pleased with the excellence of these mixtures this year.

Suggested Uses for Your Doubles

Sow December for 4's during May—Mother's Day.

Most important use, of course, **in pots or combinations**—3's and 4's and some finished in 5's make highly decorative, saleable plants throughout the spring holidays from Easter on. Their large flow-

ers, full doubleness and fringing add considerable interest to any combination.

Bedding: Doubles, we feel are under-rated for bedding, as they are vigorous, showy and stand heat well.

Cut Flowers: Designers find doubles quite satisfactory for centerpieces and table decoration. They hold up well and can be cut from outdoor production throughout the summer. Also useful for corsage work.

PAN-AMERICAN STRAINS

- **Allegro.** (Pictured below.) Medium to large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants. A new and attractive color in the All-Doubles and the finest in its color class.
- **Caprice.** Medium sized rose-pink flowers are carried on fairly dwarf plants. Somewhat improved over last year's strain in flower size, according to our pot trials last spring.
- **Sonata.** (Pictured lower right.) Extra large, fully double, pure white flowers. Not as compact in growth as some varieties; should be pinched to induce branching.



ALLEGRO

Unquestionably the finest salmon strain of doubles offered. A deep rich salmon-rose, uniformly dwarf and large flowered.

- **Minuet.** Medium sized lavender. Tall; should be pinched.
- **Nocturne.** Semi-double, deep Elk's Pride purple. The medium large flowers are borne on vigorous, but compact plants.
Prices above 5, each: $\frac{1}{2}$ tr. pkt., \$2.50; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$7.60; $\frac{1}{64}$ oz., \$14.45.
- Glorious Mixture.** Contains both tall and dwarf types in all the Pan-American colors. In transplanting, be sure to use both large and small seedlings, thus insuring a complete range of colors. $\frac{1}{2}$ tr. pkt., \$2.00; tr. pkt., \$3.50; $\frac{1}{128}$ oz., \$6.65; $\frac{1}{64}$ oz., \$12.60; $\frac{1}{32}$ oz., \$24.00.

VICTORIOUS STRAINS

- Amaranth Red.** A deep magenta or amaranth-red. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.
- Illumination.** The brightest red of all Victorious Petunias. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.
- Mayflower.** Soft, delicate rose with deeper veining which gradually fades toward the outer edge. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.
- Orchid Beauty, Improved.** Orchid heavily veined deep violet. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.
- Purple and White.** Variegated and striped purple and white. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.
- Orange.** Bright orange with some lighter colored. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.
- **Pink Perfection** (World Beauty). Deep rose color and uniformly dwarf growth.
- **Gaiety.** (Pictured on preceding page.) Dwarf and compact with flowers blotched rose and white.
- Snowball.** Well fringed clear white flowers.
- Blue Brocade.** Elk's Pride purple.
- Victorious Mixture.** We blend this mixture ourselves from the above varieties. We do not handle the regular mixture.
- Prices above 5, each: $\frac{1}{2}$ tr. pkt., \$2.00; tr. pkt., \$3.50; $\frac{1}{128}$ oz., \$6.00; $\frac{1}{64}$ oz., \$11.00; $\frac{1}{32}$ oz., \$21.00.

SONATA

Still the tops in double whites, Sonata, with medium habit is the dwarfest large-flowered white available. Well fringed and ruffled, and extra large flowers.





BALL DWARF GIANT No. 1

Ball Dwarf Giant No. 1 will throw several full sized, well-colored blooms in a very early stage of growth. They are bred for this characteristic. Several sowings beginning in mid-December will bring in a succession of 3- and 4-inch pots to bloom during April and May.

California Giants Mixture No. 5. A very complete and attractive mixture of colors in the tall Giant class. Free flowering for bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

California Giants—Supreme Florists' Strain. Fine bedding mixture in soft shades of pink, rose and salmon. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00.

Garden Giants. Medium to large in flower size, but between the tall and the dwarf classes in height. For bedding. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

● **Giant Rainbow Strain.** Excellent mixture. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

SEPARATE COLOR VARIETIES

● **Ball Lavender Giant.** A pleasing soft lavender with darker veins; dwarf growth. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.40; $\frac{1}{32}$ oz., \$4.40.

CALIFORNIA GIANTS

Equally at home as pot plants, in combinations of all sorts, and planted out in beds, California Giant Petunias never fail to draw the interest and attention of Petunia buyers. Our finest strain, for early blooming and dwarf habit with extra large flowers, is Ball Dwarf Giants No. 1. Our other listings are most suitable for bedding, but are O. K. for combinations if a little extra height is desirable.

● BALL DWARF GIANT No. 1—For Pots

Repeated pot plant trials in comparison with other leading strains have convinced us that this is the finest uniformly dwarf and large-flowered Giant Petunia available. By actual count it produces over 90% extra large, open-throated flowers with a good color range. At its very best in a 3- or 4-inch pot. Not recommended for bedding. $\frac{1}{2}$ tr. pkt., 85c; tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$9.00.

● Ball Dwarf Giant No. 2—For Bedding

(Ramona Strain)

More vigorous in growth than our No. 1 strain, therefore better suited for outdoor bedding work. Not recommended for pot plants. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

● **White Giant.** A real giant! Heavily ruffled with blooms up to 5 inches on our trials last summer. Pure white petals with yellow throat. This is a definite improvement on the old Rheingold. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

● **Copper Red, Dark.** Attractive deep coppery crimson. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

● **Glamour.** A beautiful rich salmon-rose, shading lighter toward the throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

● **Irene.** Carmine-red; white netted throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

● **Prince of Wuertemberg.** Deep reddish rose; dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

● **Princess of Wuertemberg.** Light rose-pink; veined dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

GRANDIFLORA DWARF FRINGED

(Dwarf Erfurts)

● **Carmencita.** The medium sized, well-fringed flowers are a bright salmon-red and are borne on dwarf, compact plants. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{128}$ oz., \$2.00; $\frac{1}{64}$ oz., \$3.50; $\frac{1}{32}$ oz., \$6.00.

● **Ball Fringed Violet-Blue.** Fringed flowers of deep violet-blue on compact, bushy plants. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.

● **Lace Veil.** Almost identical to Setting Sun except for its pure white flowers.

● **Setting Sun.** Heavily fringed, beautiful deep rose. One of the most popular Dwarf Fringed varieties.

Prices above 2, each: tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

● **Rosita.** Large, heavily ruffled and fringed flowers of bright, creamy rose with netted throats are carried erectly on compact plants. An outstanding pot plant Petunia. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

● **Colorado Sunset.** (New.) Medium to light rose-pink. Extra dwarf and restricted, and for this reason quite a nice pot plant subject. Uniform and free flowering. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

● **Martha Washington.** Ruffled blush-pink flowers with attractive veined throat. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.15; $\frac{1}{16}$ oz., \$2.00.

● **Little Giants Mixed.** Small, ruffled California Giant type flowers about 2 in. across are freely produced on low growing, uniform plants that are ideal for combination work as well as bedding. Colors range from amaranth-red through rose and pink to white. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50.

● **Dwarf Erfurt Mixture.** A formula mixture of Dwarf Fringed varieties. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

PAN-AMERICAN F₁ HYBRIDS

(Produced by crossing separate pure lines.)

● **Tango.** The semi-fringed flowers are a clear salmon-red—a shade lighter, but larger than Carmencita. Because of its hybrid vigor, this new Petunia is far showier than Carmencita when used for bedding; also good for pots.

● **Bolero.** An extra compact, early and free flowering Petunia. Its fringed deep rose flowers are about the color of Setting Sun. Makes a first class pot plant, and its hybrid nature gives it value for bedding.

Prices above 2, each: $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$2.00; $\frac{1}{128}$ oz., \$3.80; $\frac{1}{64}$ oz., \$7.45.

GRANDIFLORA PETUNIAS

There are three distinct classes of Grandifloras: the Ruffled, the Fringed, and the Dwarf Fringed. Like all Petunias, the most vigorous are the tall ones. The Dwarf Fringed (page 4) make ideal pot plants, but for bedding most of them do not hold up where summers are very warm.

RUFFLED GRANDIFLORAS

- **White Queen.** Extra large, wavy, pure white flowers and vigorous growth make this a truly outstanding Petunia. Fine for bedding or pot plant use. Tr. pkt., **75c**; 1/64 oz., **\$1.75**; 1/32 oz., **\$3.00**; 1/16 oz., **\$5.25**.
- **Snowstorm.** Fine, large flowered white. Similar to White Queen. Tr. pkt., **75c**; 1/64 oz., **\$1.75**; 1/32 oz., **\$3.00**; 1/16 oz., **\$5.25**.
- **White Cloud.** Once again we can offer the originator's strain—dwarf, compact, uniform, and free flowering. Choice for pots. Tr. pkt., **75c**; 1/64 oz., **\$1.75**; 1/32 oz., **\$3.00**; 1/16 oz., **\$5.25**.
- **Elk's Pride Dwarf.** Our strain of this always-popular rich velvety purple is admirably suited for bedding or porch boxes. Uniform in growth and a ready seller. Tr. pkt., **75c**; 1/64 oz., **\$1.75**; 1/32 oz., **\$3.00**; 1/16 oz., **\$5.25**.
- **Burgundy.** Dark Burgundy wine-red with large white throat. Well ruffled. Tr. pkt., **60c**; 1/64 oz., **\$1.00**; 1/32 oz., **\$1.75**.

Dwarf Pink Glory. Glowing carmine-rose with white throat. About 60% large flowered. Tr. pkt., **60c**; 1/64 oz., **\$1.25**; 1/32 oz., **\$2.25**.

- **Giant Flaming Velvet.** Large, ruffled, mahogany-red flowers and fairly compact growth make this an attractive variety. Tr. pkt., **50c**; 1/64 oz., **\$1.40**; 1/32 oz., **\$2.50**.



WHITE QUEEN
Choice Ruffled Grandiflora.
One of the best selling Petunias on the list.

Royalty. Large ruffled flowers in combinations of purple and white. Tr. pkt., **60c**; 1/64 oz., **\$1.50**; 1/32 oz., **\$2.75**.

- **Ruffled Grandiflora Mixture.** Formula mixture of the finest varieties in the Ruffled class. Tr. pkt., **50c**; 1/64 oz., **\$1.00**; 1/32 oz., **\$1.75**; 1/16 oz., **\$3.00**.

FRINGED GRANDIFLORAS

Dainty Lady. A light cream. The nearest approach to a yellow Petunia. Tr. pkt., **50c**; 1/64 oz., **\$1.50**.

- **Dazzler.** Free flowering, deep carmine-rose; fairly well fringed and very showy. Extra early and dwarf. This is a fine pot plant variety. Tr. pkt., **50c**; 1/64 oz., **\$1.00**.

Fluffy Ruffles. An attractive fringed mixture for bedding work. Tr. pkt., **50c**; 1/32 oz., **\$1.50**; 1/8 oz., **\$4.75**.

- **Fringed Snowstorm.** Nicely fringed pure white flowers with faint gold throat are very freely produced. One of the finest for either pots or bedding. 1/2 tr. pkt., **65c**; tr. pkt., **\$1.00**; 1/64 oz., **\$2.35**; 1/32 oz., **\$3.75**; 1/16 oz., **\$6.75**.



FRINGED SNOWSTORM
One of the best of the newer white Fringed Grandifloras.

La Paloma. (New.) **An F₁ Hybrid.** Pure white with yellow eye. Flower is uniformly fringed and ruffled. An excellent pot Petunia which should sell well for Easter. Also attractive for bedding as viewed in our trials last summer. 1/2 tr. pkt., **\$1.00**; tr. pkt., **\$2.00**; 1/128 oz., **\$3.80**; 1/64 oz., **\$7.45**.

- **Golden Jubilee.** Heavily fringed, bright carmine-rose with golden throat. An excellent variety for pot plants. Tr. pkt., **50c**; 1/64 oz., **\$1.65**; 1/32 oz., **\$3.00**.

Light Blue. Campanula-blue, with dark veins and purple throat. Nicely fringed. Tr. pkt., **50c**; 1/64 oz., **\$1.00**; 1/32 oz., **\$1.85**.

- **Pink Triumph.** Choice clear rose-pink, golden throated. Fine bedder. Tr. pkt., **50c**; 1/64 oz., **\$1.35**; 1/32 oz., **\$2.50**.

- **Royal Purple.** Velvety purple with attractively fringed petals. Tr. pkt., **50c**; 1/64 oz., **\$1.50**; 1/32 oz., **\$2.75**.

- **Theodosia Improved (Josephine).** Extra large, heavily fringed flowers of brilliant glowing rose with contrasting golden yellow throat. An excellent, vigorous growing Petunia for bedding. Tr. pkt., **50c**; 1/64 oz., **\$1.35**; 1/32 oz., **\$2.50**.

White Beauty. A strong grower with flowers of finely fringed pure white. Tr. pkt., **50c**; 1/64 oz., **\$1.00**; 1/32 oz., **\$1.85**.

White Mound. Uniform, compact growth with medium sized, white fringed flowers. Tr. pkt., **75c**; 1/64 oz., **\$1.75**; 1/32 oz., **\$3.00**.

- **Fringed Grandiflora Mixture.** A high-class mixture made up of the best named varieties in the Fringed class. Tr. pkt., **50c**; 1/32 oz., **\$1.65**; 1/16 oz., **\$3.00**.

DWARF HYBRIDA PETUNIAS



GLOW

A real buy for your customer who likes a really bright, fiery rose. Our stock of Glow is particularly nice this year.



ADMIRAL

"King of the Blues"—large ruffled flowers freely produced on an ideal compact plant. Our best blue. Plant pictured is in a 3-inch pot.



BALL "10 BEST"

- **Admiral.** (Pictured above, right.) Our finest blue Petunia. Large, attractively ruffled flowers; clear blue. Ideal for either pots or bedding. Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.75; 1/16 oz., \$5.00; 1/8 oz., \$9.00.
- **Bright Eyes.** Uniformly dwarf and even in growth. The plants produce masses of fairly small rose-pink flowers with white throats. A definite improvement over the old Rosy Morn. Tr. pkt., 50c; 1/8 oz., \$1.10; 1/4 oz., \$2.00; 1 oz., \$6.00.
- **Celestial Rose Improved.** Deeper rose coloring and slightly larger flowers than the original Celestial Rose. Unexcelled for pot plant work or bedding. This is the most popular Petunia in existence. We believe, based on our comparative trials, that our strain of Celestial Rose Improved is the finest available anywhere. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1 oz., \$6.00.
- **Cheerful.** Medium large, star-shaped flowers of clear salmon, are freely produced on uniform, fairly dwarf plants. Tr. pkt., 75c; 1/16 oz., \$1.50; 1/8 oz., \$2.25; 1/4 oz., \$4.00.
- **Fire Chief.** (Pictured in color on opposite page.) Winner of the first Gold Medal awarded in 11 years of competitive All-America Trials. Newly opened flowers are a true scarlet-red, turning to deep salmon-rose with age. Takes 2 to 3 weeks longer to make a show than most other Petunias. Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.25; 1/8 oz., \$3.50.
- **Glow.** Bright rose-red flowers are produced in abundance on dense growing, vigorous plants of uniform habit. Makes a brilliant display for mass plantings. Tr. pkt., 35c; 1/16 oz., \$1.25; 1/8 oz., \$2.00; 1/4 oz., \$3.75; 1 oz., \$13.50.
- **Heavenly Blue.** An old favorite, and rightly so. Still the best silvery blue in this class. This medium to light blue shade combines beautifully with other bedding subjects. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$5.00.
- **Snow Queen.** Our finest pure white Petunia in this class. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 40c; 1/4 oz., \$1.50; 1 oz., \$5.00.

- **Topaz Queen.** A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Medium large flowered and striking whether used for bedding or in pots. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1 oz., \$6.00.
- **Velvet Ball.** Dark red; almost identical to King Henry in color but more spreading in growth and better adapted for bedding use. Tr. pkt., 75c; 1/32 oz., \$1.35; 1/16 oz., \$2.50; 1/8 oz., \$4.75; 1/4 oz., \$9.00.
- **Ten Best Formula Mixture.** We mix this ourselves, blending the ten best varieties in proportion to their popularity. Fine for spring flat sales. Tr. pkt., 35c; 1/16 oz., 90c; 1/8 oz., \$1.65; 1/4 oz., \$3.00; 1 oz., \$10.00.

SPECIAL OFFER

For growers who are interested in trying all the 10 Best varieties listed on this page separately rather than in a mixture, we offer a tr. pkt. of each for \$4.00. This represents a saving of \$1.20 over the regular catalog price.

Dwarf Hybrids continued on opposite page.

TALL HYBRIDAS

Taller and stronger growers than the Dwarf class. Well suited for bedding, especially where heat and drought prevail.

- General Dodds.** Deep amaranth-red. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.25.
- **Howards Star Imp.** Medium tall, velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$4.50.
- Mars.** Rich velvety red, similar to Balcony Black Prince. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$4.50.
- Topaz Rose.** Brilliant deep carmine-rose; about same color as Topaz Queen. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.
- White.** Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.
- Exquisite Mixture.** Formula mixture; finer large-flowered varieties predominating. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.25.

DWARF HYBRIDAS-Continued

NOTE.—This is Not a Complete List—See Opposite Page for "10 Best"

- Alderman.** Fairly uniform growth with medium small lavender-blue flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.
- Blue Bird.** Similar to Alderman; growth a bit more vigorous. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.
- **Blue Bedder.** Extra vigorous growth with medium large flowers having less lavender shading and more blue than the above two. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.
- **Celestial Rose.** (Regular strain.) Bright rose with an ideal bushy habit. Tr. pkt., 35c; ⅓ oz., 75c; ¼ oz., \$1.25; 1 oz., \$4.50.
- Cream Star.** Bluntly star-shaped, creamy white. Tr. pkt., 50c; ⅓ oz., \$1.15; ¼ oz., \$2.00.
- **Elk's Star.** Deep velvety crimson with white star. Quite true to type and strikingly attractive for bedding, pots or combinations. Tr. pkt., 75c.
- **English Violet.** A pleasing shade of rosy violet-mauve. Habit similar to Celestial Rose. Tr. pkt., 50c; ⅓ oz., \$1.15; ¼ oz., \$2.00; 1 oz., \$6.00.
- **Fair Lady.** A fine, large flowered silvery pink; lighter and softer in tone than Celestial Rose. Ideally suited for pot plant use and a fine color under spring greenhouse conditions. Tr. pkt., 50c; ⅓ oz., \$1.40; ⅓ oz., \$2.50; ¼ oz., \$4.25; 1 oz., \$16.00.
- **Igloo.** Makes a perfectly rounded mound of medium sized, pure white flowers with faint yellowing in the throat. Tr. pkt., 50c; ⅓ oz., \$1.15; ¼ oz., \$2.00; 1 oz., \$6.00.
- **King Henry.** Deep velvety crimson or mahogany-red. Compact growth, makes this a choice pot plant variety. Tr. pkt., 75c; ⅓ oz., \$1.35; ⅓ oz., \$2.50; ⅓ oz., \$4.75; ¼ oz., \$9.00.
- Norma.** Lavender with white star; dwarf and compact. Tr. pkt., 35c; ⅓ oz., \$1.25; ¼ oz., \$2.25.
- **Peach Red.** Free flowering, rich salmon-rose. Tr. pkt. 50c; ⅓ oz., 90c; ⅓ oz., \$1.65; ¼ oz., \$3.00.
- Rose of Heaven.** Well known rose-pink for bedding. Tr. pkt., 35c; ⅓ oz., \$1.00; 1 oz., \$3.00.
- **Rose Queen Improved.** A rich deep rose about the shade of Topaz Queen. Tr. pkt., 75c; ⅓ oz., \$1.35; ¼ oz., \$2.50.
- Rosy Morn.** Popular rose-pink with large white throat. Tr. pkt., 50c; ⅓ oz., \$1.25; 1 oz., \$3.75.
- Salmon Supreme.** Clear salmon-pink flowers make an attractive display. Tr. pkt., 50c; ⅓ oz., \$1.50; ⅓ oz., \$2.75.
- **Snowball Imp. (New.)** Pure white. Growth is compact but vigorous and does not sprawl. Tr. pkt., 35c; ⅓ oz., 90c; ¼ oz., \$1.50; 1 oz., \$5.00.
- Snow White.** Strong growing plants with creamy white flowers freely produced. Tr. pkt., 35c; ⅓ oz., \$1.25; 1 oz., \$3.75.
- **Twinkles.** Very showy, rose-pink with white star. Tr. pkt., 50c; ⅓ oz., \$1.75; 1 oz., \$6.00.
- **White Perfection.** An excellent, compact, pure white. A little dwarf for mass bedding, but fine for borders or pots. Tr. pkt., 35c; ⅓ oz., \$1.25; 1 oz., \$3.75.
- Viola.** Deep purple. Tr. pkt., 35c; ⅓ oz., \$1.25.
- Violet Blue.** GEM TYPE. Deep violet-purple. Growth rather weak for bedding, but fine for pot plants or combination boxes. Tr. pkt., 35c; ⅓ oz., 70c; ¼ oz., \$1.30; 1 oz., \$4.75.
- **Dwarf Hybrida Formula Mixture.** A formula blend of the above varieties; not a field-grown mixture. Complete and attractive. Tr. pkt., 25c; ⅓ oz., 70c; 1 oz., \$2.50.
- Dwarf Hybrida Starred Mixture.** Nice mixture of starred types. Tr. pkt., 35c; ⅓ oz., \$1.25; 1 oz., \$3.75.

F₁ HYBRID PETUNIAS

We strongly recommend that you try these Hybrid bedding types for your most discriminating customers. They have two distinct and priceless characteristics—freer blooming than ordinary Petunias, and ability to withstand heat throughout the summer, making a fine showing when other Petunias have burned out.

- **Rose Charm.** Rich, bright rose. Flowers produced in such profusion as to almost cover the plant, and so vigorous in growth that each plant reaches a spread of over 2 feet—a spreading habit ideal for bedding. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ⅓ oz., \$3.50; ⅓ oz., \$6.50; ⅓ oz., \$11.70.
- **Silver Medal.** (Below, new.) So named for its award in the All-America selections. A medium salmon-rose, somewhat more upright than above and exceptionally free flowering. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ⅓ oz., \$3.50; ⅓ oz., \$6.50; ⅓ oz., \$11.70.



←
SILVER MEDAL
Expensive? Yes. But when you consider your investment of seed per plant, we feel you'll agree that the extra vigor, free flowering, brightly colored Hybrids will more than make up the extra seed cost in customer satisfaction. They are the ideal response to your customers' ever-present question: "Have you got anything new?"

DIENER'S VARIETIES

We supply originator's packets only on the following:

- No. 8 **Ruffled Monsters Mixed.** Tr. pkt., 50c; ⅓ oz., \$2.50.
- No. 11 **Blue.** Violet-blue. Tr. pkt., 25c; ⅓ oz., \$1.50.
- No. 45 **Santa Barbara.** Rose. Tr. pkt., 50c; ⅓ oz., \$2.50.
- No. 47 **Jumbo Mixture.** A mixture of Giants. Tr. pkt., \$1.00.

THE BALCONIES

The growth of Balconies is strong and tends to lengthen, making them suitable for window boxes, combinations, or bedding.

- **Black Prince.** Rich velvety crimson-red. Tr. pkt., 35c; ⅓ oz., 60c; ⅓ oz., \$1.00; ¼ oz., \$1.85; 1 oz., \$6.75.
 - **Blue.** A medium violet-blue. Tr. pkt., 35c; ⅓ oz., 90c; ¼ oz., \$1.65; 1 oz., \$5.00.
- | | | | |
|--|---------|------|---------|
| White | Crimson | Rose | Mixture |
| Prices above 4, each: tr. pkt., 35c; ⅓ oz., 75c; ¼ oz., \$1.35; 1 oz., \$4.75. | | | |

FIRE CHIEF (Below)

True scarlet-red turning to deep salmon-rose. Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.25; ⅓ oz., \$3.50.



Tall (Cutting) Marigolds

(10,000 seeds per ounce)



Three of our finest Marigolds: top, Ball Giant Orange; right, All-Double Lemon; bottom, Yellow Supreme.

Most any grower will find a spring crop of cut-flower Marigolds quite profitable. A January or February sowing, spaced about 4x5 inches and grown single stem, will flower April and May. The All-Doubles and Carnation-Flowered types are most popular, but be sure and include some of the Chrysanthemum-flowered Mission Giants for their excellent novelty value.

"FIVE BEST" FOR CUTTING

- **Ball Giant Orange.** Similar in type to All-Double Orange but somewhat larger flowered and of a more uniform deep, bright orange color. This, in our opinion, is the most profitable cut flower variety on the list. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.
- **All-Double Orange.** This belongs to the Fistulosa or large flowered, solid quilled-petal type. Produces nearly 100% double flowers, being preferred to Prince of Orange on this account. An excellent, long-stemmed cut flower strain.
- **All-Double Lemon.** Identical to the above, but a clear lemon-yellow.
- **Gold Improved.** The popular Carnation-flowered intense orange with odorless foliage. Excellent for greenhouse forcing.
- **Yellow Supreme.** Similar to Gold Improved but with flowers a rich creamy yellow. Odorless foliage.

Five Best Cutting Mixture. Our own carefully compounded formula mixture of the above varieties balanced according to their commercial value.

Prices on above except Ball Giant Orange, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

OTHER CUT FLOWER VARIETIES

- **All-Double Mixture.** A mixture of All-Double Orange and Lemon, with some intermediate shades. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

Glitters. (New.) Large, Chrysanthemum-like flowers of soft golden yellow on long, strong stems. Long blooming period. Tr. pkt., 35c; ¼ oz., 75c; ½ oz., \$2.50; 1 oz., \$7.50.

- **Guinea Gold.** A Carnation-flowered golden orange; long-stemmed. Freely produces loosely petalled 3-inch flowers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

Lemon Queen Improved. Same as Prince of Orange but a bright lemon-yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Orange Sunset. A bright orange selection from Sunset Giants. A first class variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Prince of Orange Improved. Bright orange of true quilled-petalled Fistulosa type. Produces 60% to 70% fully double, balance semi-double and single. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

- **Sunset Giants.** An extra large Carnation-flowered strain. Long-stemmed and the largest flowered variety we know of. Ranges from lemon to deep orange and is around 65% to 75% true to type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.

ODORLESS VARIETIES

(See also Yellow Supreme and Gold Improved in 5 Best.)

Crown of Gold. Small golden yellow crested flowers; odorless. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.25.

- **Golden Supreme.** A golden yellow Carnation-flowered Marigold. Color between Gold Improved and Yellow Supreme. Odorless. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

- **Frills (New).** 2 ft., large flowered golden orange with petals attractively frilled and waved. Very graceful appearance. Useful for cutting. Odorless. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

- **Odorless Carnation-Flowered Mixture.** Ranges in color from deep orange to light yellow. Carnation-flowered. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

Chrysanthemum-Flowered Types

- **Happiness.** Early, and blooms very profusely with 2½ in. Mum type flowers of rich golden yellow produced throughout the summer. The bushy growth makes a fine bedding show. Height 16 to 18 in. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.

Mammoth Mum. The largest of the Chrysanthemum-flowered Marigolds. Light sulphur-yellow. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

- **Limelight.** Primrose-yellow Chrysanthemum-like flowers, 2 inches across, are freely produced on 20-inch plants. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Mission Giants

Produces almost perfect ball-shaped Chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth and well suited for either spring greenhouse or outdoor culture.

- **Goldsmith.** A very attractive light golden orange in this popular class. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

- **Yellowstone.** Same as above but a pleasing clear yellow. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Mission Giant Mixed. A well-balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.70.

WINTER FLOWERING. This class is for winter flowering from a fall sowing and will not flower during summer.

Lieb's Brown and Gold. Golden yellow crest, with mahogany guard petals.

Lieb's Winter Sunshine. Solid golden yellow.

Prices above 2, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Golden Trumpet. Odorless. Pure yellow; outer petals are bell-shaped and stand out individually. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

Winter Harmony. Bright orange crest with reddish guard petals. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

Dwarf (Bedding) Marigolds

(9000 seeds per oz.)

With the possible exception of Petunias, it's difficult to imagine a more versatile florist's plant than today's modern dwarf Marigold. From dainty single flowers to solid double balls of vivid color, including Anemone, Carnation and small Mum-flowered types, the choice is wide and varied. All are superb bedding plants—and what could be more valuable for combinations? Sow in February-March and flower them in 2-inch bands or regular flats.

"SIX BEST" FOR BEDDING

- **Spry.** Extra dwarf and free flowering. Medium small Anemone type with golden crest and dark red guard petals.
 - **Ball Dwarf Harmony.** The medium small Anemone type flowers of this fine dwarf variety present a striking contrast in bright orange and velvety maroon.
 - **Butterball.** A very choice, fairly dwarf, Anemone-flowered variety. Crest and guard petals a light golden or butter-yellow faintly tipped with maroon.
 - **Sunkist.** Uniformly dwarf and compact with solid, deep golden orange Anemone type flowers about an inch in diameter.
 - **Yellow Pygmy.** Excellent, very free flowering dwarf Marigold, 6 to 8 in. Double lemon-yellow and practically 100% true.
 - **Scarlet Glow.** Bright bronzy red, double flowers 1½ to 2 inches across are borne on dwarf plants.
 - **6 Best Dwarf Mixed.** Our own carefully balanced mixture of the above varieties.
- Prices above 7, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.

OTHER BEDDING VARIETIES

- **Naughty Marietta.** Semi-dwarf, bushy plants with finely netted leaves. Freely produces 2-inch, single, golden yellow flowers, each with an attractive dark red eye. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.
- **Cupid-Orange Shades.** Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$4.50.
- **Harmony Hybrids.** A mixture of colors in this dwarf double type. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 ozs., \$3.00.
- **Cupid.** (Below.) Dwarf in habit with 2-inch primrose-yellow Chrysanthemum-like flowers. A fine variety for edging or borders. Odorless foliage. Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$4.50.



CUPID

Something really new in dwarf Marigolds. Large, bright yellow flowers produced freely on about the same type plant as Spry.



SUNNY

If you like Naughty Marietta, you'll be pleased with its clear yellow mate—Sunny.

- **Sunny.** (Above.) Similar to Naughty Marietta, but with single, clear yellow flowers. Tr. pkt., 35c; ¼ oz., \$1.10; 1 oz., \$3.30.
- **Gnome** (Little Giant Improved.) Ball-shaped plants with fern-like foliage. Plants are covered with small, bright yellow, orange-eyed flowers. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.
- **Pot O' Gold.** (New.) Deep orange. Large flowers, rather loosely formed with full centers and broad, overlapping petals. 12 to 15 inches. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.
- **Monarch Mixed.** A bright mixture of orange, yellow and mahogany colors in the fully double, rounded flower class. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c; 4 ozs., \$2.90.
- **Primrose** (Improved Pallida.) Dwarf plants with fully double flowers an inch in diameter. Color is a rich golden yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.
- **Royal Scot.** Showy, fully double flowers striped gold and mahogany. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.
- **Robert Beist.** Dwarf double, deep rich mahogany-red. Nice. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.
- **Dwarf French Double Mixed.** An extremely gay and colorful mixture of dwarf double sorts. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 ozs., \$3.00; 1 lb., \$10.00.
- **Firecross.** Dwarf single. An attractive orange with mahogany center. Tr. pkt., 20c; 1 oz., 80c; 4 ozs., \$3.00.
- **Legion of Honor.** Very similar to Firecross, but lighter in color. Tr. pkt., 20c; 1 oz., 80c; 4 ozs., \$3.00.
- **Flash.** Single mahogany flowers with golden yellow margins are freely produced on medium dwarf plants. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$1.80.
- **Red Head.** A fairly dwarf Anemone-flowered variety with orange crest, tipped maroon, and copper-red to mahogany guard petals. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.
- **Melody.** A solid clear golden orange Anemone-flowered type. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.
- **Harmony.** Attractive Anemone type flowers with orange crest and maroon guard petals. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 ozs., \$3.00.
- **Golden Harmony.** Very similar to Harmony in flower type and habit but a solid bright golden yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.

Florists' Zinnias

(2500 to 4000 seeds per oz.)

For Cutting: Some protection by cloth or a greenhouse will produce long-stemmed, large-flowered Zinnias which make excellent cut flower material. Either the Dahlia-Flowered or the Lilliputs are O. K. for this. An outdoor sowing as late as July 1 in our latitude will produce a fine crop of cut Zinnias outdoors before frost.

For Bedding: Always popular for their ease of culture and fine, vivid colors, Zinnias should account for a

substantial part of your bedding plant sales.

Don't neglect the novelty value of the small-flowered Lilliput type, the immense size of the Giant Mammoths, the curled petals of the Fantasy type.

Warning: Zinnias are native to warm temperatures and need 65° minimum—better, 70°—to germinate satisfactorily.

DAHLIA-FLOWERED ZINNIAS

Zinnias, Dahlia-Flowered varieties in order as they appear below: Canary Bird, Purple Prince, Polar Bear, Illumination. Our Gold Medal Mixture contains these and many other fine Zinnia colors.



DAHLIA FLOWERED

The generally preferred class; flowers are deeper with central petals incurved.

- **Canary Bird.** A bright, clear canary-yellow.
- **Crimson Monarch.** Large flowered deep crimson-red.
- **Dream.** An attractive medium orchid-lavender.
- **Eldorado.** Unusually attractive salmon-apricot.
- **Exquisite.** Fine medium rose-pink with deeper center.

- **Golden Dawn.** Clear golden yellow. A good variety.

Golden State. A rich orange-yellow; varies some.

Illumination. A deep rose; darker than Exquisite.

Luminosa. Bright pink suffused with salmon.

Meteor. Rich deep amaranth-red. A striking color.

- **Oriole.** Fine orange with dark center.

Polar Bear. Large creamy white.

Purple Prince. Deep purple; large flowered.

- **Scarlet Flame.** The finest bright scarlet. Very showy.

Prices all Dahlia-Flowered Zinnias, each: tr. pkt., 25c; 1/4 oz., 45c; 1/2 oz., 75c; 1 oz., \$1.25; 4 ozs., \$4.00; 1 lb., \$14.50.

SPECIAL OFFER: We furnish a collection consisting of 1 tr. pkt. each of these 14 varieties for \$2.75.

Three Fine Dahlia Flowered Mixtures

- **GOLD MEDAL MIXTURE.** We believe this is the finest complete mixture of large-flowered Zinnias available. This is not a field-grown mixture but is carefully blended by formula from first class cut flower colors and varieties in direct proportion to their commercial value.

- **INDIAN SUMMER MIXTURE.** An unusually attractive giant-flowered mixture. Bright reds, yellows and oranges predominate to make up this fine assortment of "Indian Summer" colors.

- **PASTEL SHADES MIXTURE.** A formula mixture composed of the lighter colors in the large-flowered class. Preferred by those who object to strong reds and purples.

Prices above 3, each: tr. pkt., 25c; 1/4 oz., 45c; 1/2 oz., 75c; 1 oz., \$1.25; 4 ozs., \$4.00; 1 lb., \$14.50.

FLORISTS' ZINNIAS—Continued

GIANT MAMMOTH

For sheer flower size you can't beat these Giant Mammoth Zinnias—not quite as fully petaled as the Dahlia-flowered varieties, but the colors are very bright.

- Brightness.** Bright, clear rose-pink.
Cherry Queen (Cerise Queen). Brilliant cherry-rose.
 ● **Daffodil Improved.** Clear canary-yellow.
 ● **Enchantress.** Light pink; darker center.
Golden Queen. Bright golden yellow.
Isabellina. Creamy yellow.
Lavender Queen. Medium rosy lavender.
Miss Wilmott. Pleasing, soft pastel pink.
 ● **Orange King.** A bright orange with scarlet shading.
 ● **Purity.** The best white in large-flowered Zinnias.
 ● **Rose Queen.** Deep rose; a striking color.
 ● **Scarlet Queen.** Intense bright scarlet.
Violet Queen. Deep violet-purple.
Mixture. A balanced formula mixture of all Giant Mammoth varieties.
Prices above 14, each: tr. pkt., **25c**; ¼ oz., **40c**; ½ oz., **65c**; 1 oz., **\$1.10**; 4 ozs., **\$3.60**; 1 lb., **\$13.50**.

SPECIAL OFFER. We offer one trade packet each of the above 13 named varieties for **\$2.60**.

MISCELLANEOUS VARIETIES

- Peppermint Stick.** (New.) This strain is characterized by its unusual red and white, and yellow and white striped flowers. About half are true to the striped type—the balance being dark red. Tr. pkt., **15c**; ¼ oz., **35c**; 1 oz., **\$1.00**; 4 ozs., **\$3.20**.
Gracillima (Red Riding Hood). Freely produces large numbers of small bright crimson flowers. Fine for bedding. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**.
Scabious-Flowered. Fairly tall with some cut-flower value. An Anemone-flowered type with crested center. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**.
Linearis. An excellent heat-resistant, free blooming subject for edging and rock garden work. Compact (6 to 8 in.) and early flowering, with single bright orange flowers. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.
Chrysanthemum-Flowered. A mixture of large, fully double, Chrysanthemum-like flowers with attractive curly petals. Some variation in type. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**; 1 lb., **\$15.00**.
Super Crown O' Gold, Pastel Tints. A mixture of 2-tone pastel colors, with base of each petal colored a buff or yellow shade. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.
Early Wonder, Finest Mixed. Medium sized double flowers in shades of red, rose and orange are carried on 10-12 in. base-branching plants. Extra early; fine for short season locations. Tr. pkt., **25c**; ¼ oz., **40c**; 1 oz., **\$1.20**.
Cupid Mixture. Dwarf, extra small-flowered type valuable for borders and rock gardens. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.
Haageana Double Hybrids. Especially valuable for bedding. Extra compact and literally covered with small flowers charmingly variegated mahogany, gold and orange. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

LILLIPUTS (Pompons) ARE USEFUL



LILLIPUT FORMULA MIXTURE
 This bouquet of Lilliputs indicates their usefulness as cut flowers—also shows the excellent color variations of the mixture.

Lilliput Zinnias never fail to attract interest as a bedding subject because of their interesting flower formation and free flowering habit. For cut flowers, the stems can be lengthened by some cloth or greenhouse shading.

- Black Ruby.** Deep maroon.
 ● **Canary Gem**
Crimson Gem
Golden Gem
 ● **Lilac Gem**
 ● **Pink Gem**
Purple Gem
 ● **Rosebud.** Fine deep rose.
 ● **Salmon Gem**
 ● **Scarlet Gem**
Valencia. Burnt-orange.
White Gem
Formula Mixture. All colors.
Prices above 13, each: tr. pkt., **15c**; ¼ oz., **35c**; ½ oz., **60c**; 1 oz., **\$1.00**; 4 ozs., **\$3.20**; 1 lb., **\$10.00**.
Special Offer. Tr. pkt. of each of the 12 named Lilliput varieties for **\$1.50**.

PUMILA TYPE

"Cut and Come Again"

- Midway between the Giants and Lilliputs in size.
Canary-Yellow
Salmon-Rose
Pinkie. A pleasing soft pink; fairly long stems.
Golden Orange
Fireball (Scarlet)
Snowball (White)
Mixture of all colors.
Prices above 7, each: tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**.

FANTASY TYPE

The fairly large flowers have informally curled and twisted petals which produce an attractive novelty effect.

- **Star Dust.** A bright deep golden yellow.
 ● **Wildfire.** Dazzling scarlet; a striking brilliant color.
Rosalie. Intense rose-pink.
Melody. Rich orchid-lavender.
Mixture. Formula mixture of all colors in this class.
Prices above 5, each: tr. pkt., **25c**; ¼ oz., **40c**; 1 oz., **\$1.10**.

Ball Asters

(WILT RESISTANT)

(12,000 seeds per oz.)

Aster seed for commercial cut flower production was one of the first items to be dealt with by Geo. J. Ball plant improvement techniques back in the early '20's. Our strains are justly famed for their wilt resistance, doubleness, flower size and stem length.

Our Aster breeding work since the war has produced two new strains of remarkably full doubleness and flower size—Ball Shell-Pink and New Ball White. Asters can be a very profitable cut flower crop when well grown, and these fine strains will increase your chances for profits. See page 14 for notes on Aster culture.



● NEW BALL SHELL-PINK

Large (3½ to 4 in.) fully double flowers of soft shell-pink carried on long stems. Quite wilt-resistant and rarely shows any center under our conditions. Blooms Aug. 20; excellent flowered under lights in early spring. This fine new strain throws few laterals so needs very little disbudding. Tr. pkt., \$1.00; ¼ oz., \$1.75; 1 oz., \$5.25; 4 ozs., \$17.50.

● NEW BALL WHITE

Exceptional doubleness and fine, stiff stems are the outstanding points about this new, large flowered, pure white Aster. Quite wilt-resistant. Blooms about Aug. 25. ½ tr. pkt., 60c; tr. pkt., \$1.00; ¼ oz., \$1.75. Limit, ½ oz.



BALL "12 BEST"

- **Queen Azure Blue.** A clear, light lavender-blue.
 - **Queen White.** The earliest worth-while cut-flower white.
 - **Queen Ballet Queen.** Deep salmon-rose; very resistant.
 - **Royal Azure-Blue.** A fine commercial cut flower variety.
 - **Royal Shell-Pink.** A clear shade of pastel pink.
 - **Ball White Early.** A fine resistant white.
 - **Ball White Late.** Probably the best midseason white Aster.
 - **Ball Deep Rose.** Long stemmed, bright deep rose. Very popular.
 - **Ball Deep Purple.** A rich, deep color; long stems.
- Prices above 9 varieties, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.
- **Early Beauty Silvery Rose.** Fine, large flowered light rose. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.

- **Early Giant Light Blue.** Extra large and early blooming with full petaled, shaggy flowers of clear light blue. Sept. 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **Early Giant Rose Marie.** An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. Sept. 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **12 Best Mixture.** Formula mixture of the above 12 varieties. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.

SPECIAL OFFER. One tr. pkt., each of these "12 Best" Asters for \$3.40.

NEW ASTERS

REMO

Showy 2-inch flowers, each with yellow eye surrounded by several rows of contrasting ray petals, are freely produced on upright branching plants 2½ to 3 ft. tall. The entire plant should be cut like a Pompon Mum. Very resistant.

White	Light Blue	Dark Blue
Light Rose	Deep Rose	Dark Red
Mixture		

Prices above 7 varieties, each: tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75.

KIRKWELL

Flower size and type are similar to the Remo varieties (at left) except that blooms are somewhat more double. Plants are 12 to 14 inches tall and are admirably suited for summer pot plants—flowering around mid-August. Wilt resistant.

Light Pink	Salmon-Pink	Deep Rose
Crimson	Dark Blue	Mixture

Prices above 6 varieties, each: tr. pkt., 50c; ¼ oz., \$1.60; 1 oz., \$4.80.

SEE PAGE 14 FOR NOTES ON ASTER CULTURE

BALL Wilt-Resistant Asters—Continued

QUEEN OF THE MARKET

Popular early August-flowering class; rather short-stemmed.

- **Azure-Blue.** A clear, light lavender-blue.
- **White.** The earliest worth-while cut flower white.
- **Ballet Queen.** Deep salmon-rose; very resistant.
- **Dark Blue.** Fairly deep shade of purple.
- **Deep Rose.** Of the popular Ball Deep Rose color.
- **Flesh-Pink.** Shell-pink; deepening as it matures.
- **Mid-Blue.** Between the popular Azure and Dark Blue.
- **Crimson.** Plant moderately of this heavy color.

THE ROYALS

Blooms just ahead of the American Branching class.

- **Azure-Blue.** A fine commercial cut-flower variety.
- **Shell-Pink.** A clear shade of pastel pink.
- **Ball White Early.** A fine resistant white.
- **Ball Deep Rose.** Long stemmed, bright deep rose. Very popular.
- **Ball Deep Purple.** A rich, deep color; long stems.
- **Deep Rose.** Slightly taller than other Royals.
- **Purple.** Bright purple; prefer Ball Deep Purple.
- **White.** A good white.

AMERICAN BRANCHING

The standard midseason class; flowering with us around late August. Long-stemmed and fine.

- **Ball White Late.** Probably the best midseason white Aster.
- **Azure-Blue.** An excellent, clear light blue.
- **Ball Phlox-Pink.** Light rose, deepening as flowers mature.
- **Deep Rose.** Long stems and fine large flowers.
- **Heart of France.** Distinctive scarlet-crimson color.
- **Purple.** Rich violet-purple. Long stemmed.
- **Rosalie.** Fine, completely double flowers of deep rich rose.
- **Simple Pink.** Standard shell-pink variety.
- **White.** Excellent cut-flower white; true branching type.

EARLY BEAUTIES

A very fine, long-stemmed class that always flowers in time to escape the average first frosts of the middle states.

- **Early Beauty Silvery Rose.** Fine, large flowered light rose. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **Azure Fairy.** Long stemmed and large flowered azure-blue. Crimson. Color similar to Heart of France.
- **Deep Rose.** A fine deep rose.
- **Purple.** Long stemmed deep purple.
- **Shell-Pink** (September Beauty). Delicate light pink.
- **White.** Long stemmed and very choice.

SHAGGY TYPES

This includes the Early California Giants and the Cregos. Both have interlaced petals producing a fluffy effect.

- **Early Giant Light Blue.** Extra large and early blooming with full petaled shaggy flowers of clear light blue. Aug. 20 and 25. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **Early Giant Rose Marie.** An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. August 20-25. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **Early Giant Peach Blossom.** Same as Early Giant Blue, but a pleasing light pink. August 20-25. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **California Giant Dark Purple.** Highly resistant rich purple. Sept. 25 to Oct. 1. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
- **Crego Azure-Blue.** Fine light blue. Sept. 10 to 15.
- **Crego Blue Flame.** Resistant, deep bright blue. Sept. 5 to 10.
- **Crego Deep Rose.** Fine large flowered variety. Sept. 10 to 15.
- **Crego Orchid.** Attractive orchid-lavender. Sept. 5 to 10.
- **Crego Peach Blossom.** Light rose-pink. Sept. 10 to 15.
- **Crego Purple.** A rich, bright color. Sept. 5 to 10.
- **Crego Shell-Pink.** Light clear pink. Sept. 10 to 15.
- **Crego White.** Excellent pure white. Sept. 5 to 10.

PRINCESS ASTERS

These types have crested or cushioned Anemone centers, forming fairly hard, medium sized flowers. Late August.

- **Princess Anne.** Light peach-blossom-pink.
 - **Princess Barbara.** Very attractive orchid-lavender.
 - **Princess Bonnie.** Silvery, salmon-rose.
 - **Princess Elizabeth.** (New.) Fine pure white.
 - **Princess Golden Sheaf.** Large flowered, creamy yellow.
 - **Princess Linda.** Pure, clear rose.
 - **Princess Margaret.** (New.) Long stemmed, deep rose.
 - **Princess Marsha.** Deep reddish crimson.
 - **Princess Susan.** (New.) Pleasing deep blue.
 - **Princess Mixture.** Formula blend of above varieties.
- Prices above 10, each: tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.

RESISTANT MIXTURES

- | | |
|------------------------------------|-----------------------------------|
| Queen of the Market Mixture | Royal Mixture |
| American Branching Mixture | Early Beauty Mixture |
| Crego Mixture | All Double Varieties Mixed |
- Prices above 6 mixtures, each: tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$6.00.

- **Single Base-Branching Mixture.** Single flowers in good color range are carried on plants of distinctly upright growth and base-branching habit. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

Single Rainbow Mixture. (Special Florists' Strain.) An attractive mixture of medium sized single blooms. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

NON-RESISTANT ASTERS

California Giant Mixed. Choice blend of large, fully double "shaggy petaled" flowers. Long stemmed. Late Sept. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Giant California Sunshine Mixed. Attractive assortment of colors in this large-flowered Anemone type. Has small center cushion with long ray petals. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Peony-Flowered Mixed. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Super Giant Los Angeles. Extra large, soft shell-pink. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

KING or NEEDLE TYPE

Attractively quilled petals give these flowers an outstanding appearance. Early September flowering.

Lavender. Popular commercial color.

Rose. A fine deep rose-pink.

Violet. A rich and striking color.

Crimson. A deep color; rather heavy.

White. A well-selected strain.

Prices above 5, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.

King Mixture. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$6.00.

IMBRICATED POMPONS

(17,000 seeds per oz.)

Small, rounded flowers produced on upright growing, compact plants about 15 inches tall. Excellent for pot plants.

Violet	Rose	Carmine	White	Scarlet
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Prices above 6, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$2.80.
Mixture of all colors. Tr. pkt., 30c; ¼ oz., 70c; 1 oz., \$2.10.

SINGLE ASTERS

Violet	Joffre (red)	Light Blue	White	Deep Rose
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Prices above 5, each: tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

Prices on all above varieties except as otherwise noted, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.

Winter Sweet Peas

(350 seeds per oz.)

While we prefer the Spring Flowering for late greenhouse planting, the Winter class does flower earlier and in some sections is preferred even for outdoor planting.

OUR "12 BEST"

PINK, ROSE and SALMON

- **New Ball Rose.** Free flowering, bright rose. Shorter vines make this variety valuable where headroom is limited.
- **Ball Rose Queen.** Extra long stemmed and large flowered clear rose-pink. One of the finest commercial varieties.
- **Ball Rose Supreme.** Large wavy flowers of bright silvery rose-pink. Good stems and free flowering.
- **Ball Salmon.** Fairly deep salmon-pink; an excellent producer.

ORANGE and RED

- **Ball Orange Supreme.** Improves the original Ball Orange in better stem length and more brilliant color.
- **Treasure Island.** Large wavy flowers of glowing orange-scarlet.
- **Fiesta.** Brilliant scarlet-cerise; the finest red in early Peas.

LAVENDER, BLUE and PURPLE

- **Ball Blue Supreme.** The same rich blue color as Mrs. Hoover, but larger flowered and a better producer.
- **Twilight.** A bright clear lavender. Considered by many as an improvement over Harmony.
- **Triumph.** Long stemmed, rich lilac-mauve; very well liked.
- **Rhapsody.** Extra large flowered, deep rosy lavender.

WHITE

- **Ball White.** The finest long stemmed pure white; white seeded.

MIXTURE

- **12 Best Mixture.** Our own formula mixture of the above twelve.

Prices above 13, each: ½ oz., **30c**; 1 oz., **50c**; 4 ozs., **\$1.50**; 1 lb., **\$5.50**.

STANDARD VARIETIES

PINK, ROSE and SALMON

- American Beauty.** American Beauty rose.
- Apollo.** Salmon-cerise; fine for spring.
- Attraction.** Long stemmed salmon-rose.
- Boon.** Deep salmon-rose.
- Bridesmaid.** Delightful silvery pink. Long stemmed.
- **Daphne.** Soft salmon-pink on cream. Large flowered.
- **Hiawatha.** Strong growing, large flowered deep rose.
- Josie.** Rose-pink; rather small flowered.
- **Laddie Imp.** Long stemmed, fairly light rose-pink.
- Majestic Rose.** Large flowered pink.
- **Mother Machree.** Large coral-rose flowers; semi-duplexed.
- Sequoia.** Large flowered standard salmon-rose.
- **Titania.** Extra large flowered deep rose; heavy stems.
- **Tops.** Extra large, wavy flowered, light salmon-rose.

ORANGE and RED

- **Redwood.** Large flowered, deep velvety crimson.
- **Signal Red.** Long stemmed, brilliant red.
- **Sparks.** The finest Poppy scarlet.

LAVENDER, BLUE and PURPLE

- **Bacchus.** Deep maroon-purple; large flowered.
- Fragrance.** Clear lavender for spring flowering.
- Harmony.** Standard early flowering lavender.
- Michigan.** Clear lavender.
- **Mrs. Hoover.** Standard early mid-blue.
- **Princess Blue.** Large flowered, light blue; very attractive.
- **Top Hat.** Deep bright violet-blue.

WHITE and CREAM

- Cascade.** Extra large, white seeded white.
- **Gardenia.** Long stemmed pure white for spring.
- **Hope.** Fine black seeded white.
- Oriental.** Black seeded cream.
- **White Harmony.** Similar to Hope; black seeded.

MIXTURE

Ball Early Mixture. Carefully balanced mixture of winter varieties. ½ oz., **25c**; 1 oz., **45c**; 4 ozs., **\$1.35**; 1 lb., **\$5.00**.

Prices all above (except Mixture), each: ½ oz., **30c**; 1 oz., **50c**; 4 ozs., **\$1.50**; 1 lb., **\$5.50**.

NOTES ON ASTER CULTURE

"Resistance" to Aster Wilt is only relative, and no grower should assume that "resistance" means the same thing as "immunity." While it is entirely true that these Asters have been bred to a high degree of resistance to the Wilt organisms existing in the originator's soil, there is considerable evidence to indicate similar but none-the-less different forms of Wilt may exist in other soils. The degree of resistance offered by these strains is therefore variable; however, there is no doubt but that they are far more satisfactory than non-resistant strains. Our past experience indicates that changing the location of the Aster planting regularly (or steam sterilizing) is a worth-while safety precaution. We also try to minimize the number of transplanting checks by sowing a month before safe to plant out, then planting the seedlings direct to their permanent location. We like to plant them in beds a foot apart

each way under the protection of a cloth house. Two sets of wire and string are necessary to support the 3- to 4-ft. growth.

SPRING GREENHOUSE ASTERS (Under Glass)

Asters can be flowered in spring or early summer through use of lights. Spider control is assured with Parathion bombs. Wilt losses may be almost eliminated with steaming. We flowered a fine crop early July from a February 4 sowing. They were transplanted to 2½-inch bands February 25, benched 12x12 in. on May 2, lighted from sowing till benching. 60-watt bulbs were used 5 ft. apart. A December sowing lighted from sowing date will bloom in May. Run them 50-55° nights. For complete cultural notes on Asters, see our **Ball Red Book**, mailed for **50c**.

Spring Peas Cuthbertson Strain

(350 seeds per oz.)

This class, being intermediate in flowering date between the Winter and Summer types, is proving increasingly valuable for spring greenhouse flowering. Because of their stronger growth, they are generally longer stemmed and last longer into the spring than the weaker growing Winter varieties. For greenhouse use, sowing should be done between October and February. They are also much used for winter outdoor growing in the extreme South.

NEW!

- **Jimmy.** Rich, deep scarlet-red. In our trials this was the longest stemmed and most vigorous of all the Cuthbertsons. $\frac{1}{2}$ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.

Doris. Deep cherry-rose. Extra strong growth with fine stems, many with 4 flowers. $\frac{1}{2}$ oz., 50c; 1 oz., 90c; 4 ozs., \$3.00; 1 lb., \$9.00.

PINK, ROSE and SALMON

- **Billy.** Bright cerise-rose on salmon; very showy.
- **Carol.** Attractive clear pink on white ground.
- **Evelyn.** Extra long stemmed, soft salmon-pink.
- **Lois.** Light rose-pink, similar in color to Ball Rose Queen in the Winter class.

RED

- **Coline.** Vivid, intense scarlet.

LAVENDER, BLUE and PURPLE

- **Danny.** Brilliant, deep marine blue.
- **Frank G.** Fine soft rosy lavender. One of the best.
- **Hazel.** Soft, light Princess Blue shade.
- **Jessie.** Closely resembles Winter Flowering Triumph in its rich lilac coloring.
- **Tommy.** A clear mid-blue about the color of Mrs. Hoover in the Winter class.



Showing our method of handling outdoor Sweet Peas. Both the Summer Flowering and Cuthbertson classes are treated alike, the latter flowering about 2 weeks earlier—an advantage where summers are hot.

WHITE

- **Janet.** Large frilled white flowers are carried on long, heavy stems; black seeded.
- **Jennie.** White seeded white; fine long stems.

MIXTURE

- **Mixture.** A mixture balanced according to demand for each color.
- Prices last 13 Cuthbertson varieties, each: $\frac{1}{2}$ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.

Summer Peas

(350 seeds per oz.)

PINK, ROSE and SALMON

- **Ball Shrimp-Pink.** A pleasing soft shrimp-pink. Vigorous growth and long stems make this outstanding.
- **Maytime.** A bright golden cerise with large flowers and long stems.
- **Miss California.** Large salmon-rose.
- **Pinkie.** Finest large flowered rose-pink; long stemmed and a heavy producer.
- **Stylist.** Large flowers of clear deep salmon-rose-pink.
- **Sweet Afton.** Strong growing clear bright pink. An excellent variety.

RED

- **Red Rover.** Deep crimson (same as Redwood in Earlies).
- **Welcome.** An intense sunproof scarlet of vigorous growth. Fine flower size and stem, and a heavy producer.

WHITE

- **Gigantic.** Excellent, pure white; black-seeded.
- **Snow White.** The finest clear white; black-seeded.

LAVENDER, BLUE and PURPLE

- **Highlander.** Fine large lavender.
- **King Lavender.** Exceptionally fine clear even lavender with long, strong stems. Excellent growth.
- **Olympia.** A rich mauve; similar in color to the winter flowering variety, Triumph.
- **Windsor Blue.** A supremely fine mid-blue. Its clear even color, stem length, and flower size set it apart.

MIXTURES

Ball Best Mixture. Composed only of the best varieties in proportion to their commercial value.

Florists' Mixture. All colors in the late flowering class. 1 oz., 25c; 4 ozs., 75c; 1 lb., \$2.25; 5 lbs., \$10.00.

Prices all above Summer Peas except Florists' Mixture, each: $\frac{1}{2}$ oz., 20c; 1 oz., 30c; 4 ozs., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.

Ball NON BRANCHING Stocks

(18,000 seeds per oz.)

Stocks are easily grown, and profitable, too—if planted in steamed or fresh soil. We find that with direct sowing—no transplanting—freer and stronger growth results, with less labor than the transplanting method calls for. The proportion of double flowers can be materially increased if the strongest seedlings are selected. In our latitude they are safely sown up to February 15. Sowings after that date tend to come blind.

We annually carry out around 1600-1700 single plant selections. This accounts for the good percentage of doubles in our strains, and their adaptability to greenhouse forcing conditions. Also it has enabled us to develop or improve nearly all the following varieties. Those indicated with the dot (●) we consider the six best.

WHITE VARIETIES

- **No. 16 Ball White—Medium Tall.** This early pure white is the most popular variety on our entire list. Well-liked because of its extra large florets and well-formed, compact spikes.
- No. 99 Ball White.** We find this pure white averages 4 to 6 inches longer spike and stem than our popular No. 16.
- White Giant.** (New.) Originator's seed. Good long stemmed white. Best white for outdoor culture in cool areas. We prefer our No. 16 Ball White for greenhouse use.
- Gardenia, Imp.** Pure white. Branches somewhat. Basic improvements have been made on this fine outdoor strain.
- No. 5 Ball Dwarf White.** Spikes of this dwarf Non-Branching Stock resemble a white Hyacinth. An ideal pot plant variety.

LAVENDER, BLUE and PURPLE VARIETIES

- **No. 1 Lilac-Lavender Improved.** This is our new strain of this popular silvery lilac variety. Stems are heavier with longer flower spikes—and we find it quite resistant to rot.
- No. 3 Ball Blue Improved.** Heavier stems and better spikes than our earlier Ball Blue. Double percentage slightly low.
- **No. 21 Purple Heart.** Long stemmed and large flowered, bright violet-purple. Striking in combination with white.

PINK, ROSE and RED VARIETIES

- **No. 22 Ball Supreme.** A long stemmed, vigorous growing variety with fine, heavy spikes of rich silvery rose.
- No. 11 Ball Pink.** A medium light rose-pink. Earlier and somewhat lighter than our No. 22, but not quite as long stemmed.

No. 14 Ball Rose. An early flowering, fairly deep rose-pink. Darker in color and longer stemmed than the above variety.

No. 9 Chamois-Pink. A warm rosy buff color.

No. 7 Malmaison Pink Improved. Long spikes of soft, shell-pink; a popular color. Entirely non-branching.

No. 6. American Beauty. Rich deep American Beauty color.

- **No. 8 Ruby Improved.** Placed in "Six Best" this year because of a marked basic improvement in both vigor and color. No. 8 is now a really crimson-red Stock—a clearly distinct shade from the American Beauty type carmine-rose.

Pink Giant. (New.) Originator's seed. Color identical to No. 14 Ball Rose, but later and somewhat taller.

MISCELLANEOUS VARIETIES

- **No. 20 Ball Apricot.** Long spikes of rich apricot faintly tinged pink. Blends well with lavenders and purples.
- No. 24 Deep Apricot Improved.** A more coppery, terra cotta shade than the earlier strain. A good novelty color.
- No. 1 Gold Standard.** Creamy ivory-yellow.
- No. 10 Mixture.** Our own formula mixture. Contains mostly good market varieties with a limited amount of novelty colors.

Prices all Non-Branching Stocks, each: 1/2 tr. pkt., 60c; tr. pkt., \$1.00; 1/4 oz., \$2.50; 1/2 oz., \$4.75; 1 oz., \$9.00.

SOMETHING STRICTLY NEW IN STOCKS—ALL DOUBLE SELECT!

Here is a chance for you to grow 100% Double Non-Branching Stocks by selecting the doubles on the basis of leaf color. Positive identification of doubles (their leaves are several shades lighter than singles) can be made in seedling age.

We're not certain of the market acceptance of this type of double, as the stem is somewhat shorter and harder than the Ball type Column. Also, seed supply is quite limited this year.

Shell Pink

Lilac Rose

White

Prices above 3 varieties, each: Tr. pkt., \$2.00.

BRANCHING STOCKS

GIANTS OF CALIFORNIA

- Golden Gate.** Soft, creamy yellow.
 - Monterey.** A clear bright pink.
 - **Pacific.** Fairly dark lilac-mauve.
 - Redwood.** Ruby-red.
 - Santa Barbara.** Chamois or buff.
 - **Santa Maria.** Best branching white.
 - **Tahoe.** Clear lavender.
 - **Yosemite.** Rich rose-pink.
- Prices above 8, each: tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.50.
- Mixture of all colors in this class. Tr. pkt., 35c; 1/4 oz., \$1.15; 1 oz., \$4.00.

IMPROVED BISMARCKS

- Antique Copper.** Fine copper-red.
 - Apple Blossom.** Pale, delicate pink.
 - Blood-Red.** Bright ruby-red.
 - **Chamois.** Clear chamois or buff.
 - **Elk's Pride.** Rich purple.
 - Flesh.** Pale coral-pink.
 - Golden Ball.** Ivory-yellow.
 - **Lavender.** Clear lilac-lavender.
 - Lilac.** Fairly deep lilac-blue.
 - **Rose.** Fine bright rose-pink.
 - **Shasta.** Giant flowered white.
- Formula Mixture of above colors.
- Prices above 12, each: tr. pkt., 35c; 1/4 oz., \$1.15; 1 oz., \$3.50.

BEAUTY OF NICE

- Cote D'Azur.** Light lavender-blue.
 - Flesh-Pink** (Beauty of Nice).
 - Mont Blanc.** Extra early pure white.
 - Queen Alexandra.** Fine rosy lilac.
 - Mixture.**
- Prices above 5, each: tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.65.

DWARF TEN WEEK

- Blood-Red Carmine-Pink Lavender**
 - Canary-Yellow Deep Rose Purple**
 - White Formula Mixture**
- Prices above 8, each: tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.00.

Ball Begonias

FIBROUS ROOTED

(30,000 seeds per 1/32 oz.)

These colorful Begonias will add welcome variety to your spring plant combinations, pot plants and bedding material (in partial shade). Sow in January for flowering 2 1/4's, shifting later to 4's for May sales. They're inexpensive to grow, so you can offer them at a moderate price and still realize a good profit.

Varieties: We find the Dwarf and Intermediate types best for pots and combinations: Adeline, Ball Deep Rose, Ball Red, Luminosa Compacta, Snowbank, Indian Maid and the Scandinavias, Red and Pink are showy. Gruga is nice.

Culture: Not hard! We use clear neutral peat for germination; no covering over the seed (except paper till they sprout). Keep surface of flat moist. Use half peat, half soil for potting. They must have 60° to keep them moving—and shade or they'll burn, sure!

Our Begonia Seed (except originator's varieties) is grown by us at West Chicago to insure trueness and germination. And it's cleaned, really cleaned! It's some job, but you can't germinate the chaff.

EXTRA DWARF BEGONIAS

- **Ball Dwarf Carmen.** Extra compact habit with rich bronze leaves and light pink flowers. Tr. pkt., \$1.25; 1/64 oz., \$3.50.
- **Saga.** Extra dwarf and dense growth. Small, bright red flowers. Tr. pkt., \$1.25; 1/64 oz., \$4.00; 1/32 oz., \$7.50.

DWARF CLASS

- Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- **Ball Deep Rose.** In winter the color is a deep rosy red which gradually fades to a luminous pink with the coming of warmer weather. Tr. pkt. \$1.50; 1/64 oz. \$2.75; 1/32 oz., \$5.00.
- **Ball Red.** Medium large flowers of bright true scarlet are freely produced on fairly dwarf, uniform plants. Tr. pkt., \$1.50; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- Ball White.** Rather small flowers but very freely produced. Tr. pkt., \$1.50; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- **Gruga.** HETEROSIS (HYBRID) STRAIN. Large flowers of Adeline pink. Habit similar to Ball Red. Tr. pkts. only, \$1.50.
- **Luminosa Compacta.** Dwarf, free flowering scarlet-red. Tr. pkt., \$1.00; 1/64 oz., \$3.00; 1/32 oz., \$5.50.
- **Pink Pearl.** HETEROSIS (HYBRID) STRAIN. Resembles Adeline in flower size, rich pink color and uniformly dwarf, compact growth. Originator's tr. pkts. only, \$1.50.
- **Red Pearl.** HETEROSIS (HYBRID) STRAIN. Identical to Pink Pearl except for its Luminosa red color. Originator's imported Hybrid seed. Tr. pkts. only, \$1.50.
- Rosabella.** (New.) Large medium pink flowers. Growth habit resembles Ball Red. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- **Snowbank.** Large, glistening white flowers are carried on dense growing, even plants. The best white. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- Tausendschon.** (New.) HETEROSIS (HYBRID) STRAIN. Bright pink; closely resembles Adeline and Pink Pearl in habit. Originator's tr. pkts. only, \$1.25.
- Dwarf Varieties Mixed.** Our own formula mixture of dwarf varieties. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

INTERMEDIATE CLASS

- **Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.
- Fire Sea** (Blaze of Fire). Large, fiery red with green foliage. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.
- **Indian Maid.** Foliage a deep lustrous bronze with scarlet flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- King of the Reds.** Free flowering rose-red; vigorous growth. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- **Luminosa.** Very attractive and popular scarlet-red. Tr. pkt., \$1.00; 1/64 oz., \$3.00; 1/32 oz., \$5.50.



BEGONIA BALL DEEP ROSE
Dwarf and compact. Begonias are becoming more popular each year as smaller (3 to 4") potted plants and for combinations.

- Prima Donna.** Medium rose-pink. Prefer Scandinavia Pink. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.50.
- Salmon Queen.** Salmon shaded rose with dark foliage. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- **Scandinavia Pink.** Very free flowering bright rose-pink. Fine bushy habit. Tr. pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- **Scandinavia Red.** Identical to the above except for its bright red flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- Scandinavia White.** A white Scandinavia selection. Tr. pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- White Pearl.** Medium sized white flowers with green leaves, tinged pink; reddish stems. Tr. pkt., \$1.00; 1/64 oz., \$2.50.
- Intermediate Varieties Mixed.** Made up of the above separate colors. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.50.

TALL CLASS

- Christmas Cheer.** Large flowered, deep crimson-rose. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.25.
- Masterpiece.** Extra large flowered, light pink. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.
- Pink Radio.** Extra large flowered, rich rose. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.
- Silver Wings.** Extra large pure white flowers. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.25.
- Tall Varieties Mixed.** A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

MISCELLANEOUS BEGONIAS

TUBEROUS ROOTED SEPARATE COLORS

We offer seeds of the following separate colors of the fully double Camellia type Tuberous Rooted Begonia:

Red	Orange	Salmon	Yellow
Scarlet	Rose	Copper	White
Prices above 8 separate colors, each: tr. pkt., \$2.50.			

- Doty's Calla Queen.** A novelty Fibrous Rooted Begonia with attractively variegated green and white foliage which contrasts vividly with its red and pink flowers. Needs pinching for shapely plants and good variegation in leaves. Germination uncertain. Originator's tr. pkt., \$3.00; 1/2 tr. pkt., \$1.75.
- **Tuberous Rooted Double Mixed.** Gorgeous colors with 80% to 90% good doubles. Tr. pkt., \$2.50.
- Tuberous Rooted Single Mixed.** Attractive mixture; large flowered. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- **Lloydii Mixed.** Double flowers, about 2 inches, in shades of scarlet, rose, salmon and white. Tr. pkt., \$3.00.
- Rex Hybrids.** Mixture of ornamental leaved Rex Begonias; many unusual variations. Seed is quite small and requires extra care in germinating. Tr. pkts. only, \$1.00.



**BALL YELLOW HYBRID
No. 1**

Ball Snapdragons

We know of no seed-grown cut flower crop as profitable, year in and year out, as well-grown Snaps. So wide is the selection of varieties available today, that there's scarcely a greenhouse grower throughout our broad land who can't find several that are ideally suited to his particular conditions.

If a sowing is made in December or January and the seedlings spaced 4x5 or 4x6 inches for growing single stem (without pinching), excellent flowers can be cut in May. Particularly is this true of the Hybrids, which, because of their faster growth rate, have the inherent ability to produce good stems and spikes under conditions that might not suit many inbred varieties. Seedlings may be transplanted direct to their flowering bench—if the space is ready, or may go into plant bands for 4 to 6 weeks before benching. Of prime importance is that the young plant not be allowed to become hardened and root-bound.

Color preferences vary, though half the seed demand is for pink and rose with white, yellow, bronze, red and lavender following in the order named.

BALL HYBRIDS

SIX NEW INTRODUCTIONS

Ready January 1. Seed Supply Will Be Limited.

Ball Pink Hybrid No. 3. (Formerly Experimental Hybrid No. 69.) An exceptionally clean grower, long stem, long spike and large flowered. You might not believe us if we quote our greenhouse trial notes on this variety, so we'll just suggest that you try it for yourself.

Ball Pink Hybrid No. 4. (Formerly Experimental Hybrid No. 86.) Large, attractive rose-pink florets uniformly placed on a clean spike and exceptionally firm stem. The latest blooming of our 1951 introductions.

Ball White Hybrid No. 5. (Formerly Experimental Hybrid No. 57.) Pure white. Like Oxydol, "whiter than white." Substantially earlier than Margaret. Long stemmed, large flowered, and clean growing.

Ball Bronze Hybrid No. 6. (Formerly Experimental Hybrid No. 14.) A bright, rich scarlet-bronze. Good flower placement and production. Clean spike. The color of this variety attracted considerable attention in our trials last year.

Ball Red Hybrid No. 8. (Formerly Experimental Hybrid No. 91.) This red improves our Ball Red Hybrid No. 7 in spike and stem length. However, it is several weeks later and perhaps a shade deeper. An excellent all-around Snap and the best red we offer according to our trials.

Ball Rose Hybrid No. 9. (Formerly Experimental Hybrid No. 40.) A strong growing, heavy producing deep rose. This variety received "top rating" among hybrid trials which were sent out to the trade last year.

OTHER BALL HYBRIDS

Ball Yellow Hybrid No. 1. (Above.) We believe this is the finest golden yellow Snap available. You'll like it for its long, strong stems, outstanding deep gold color, and heavy production.

Ball Red Hybrid No. 7. Has the same rich scarlet-crimson color of the old Velvet Supreme, but with vastly superior flower spike and stem length. Fine for either Christmas or spring flowering.

Ball Pink Hybrid No. 2. An early and free flowering medium pink. Nice spikes and a good producer. A mid-July sowing flowers in December with us.

Prices all above Ball Hybrids: ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

GENERAL (Complete) LIST

Ball "20 Best" Are Indicated by a Dot (●)

LIGHT PINK

	Tr. Pkt.
● Christina. HYBRID. Medium light pink. ½ tr. pkt., \$1.75	\$3.00
Daybreak. Clear light pink	1.00
La France. Light pink	1.50
Maiden's Blush Imp. Pale pink. ½ tr. pkt., 85c	1.50
Marie Louise. A beautiful light shell-pink	2.00
● Mary Ellen. HYBRID. Light pink. ½ tr. pkt., \$1.50	2.50
● Maryland Pink. HYBRID. Creamy light pink. ½ tr. pkt., \$1.75	3.00
St. Louis Pink. Excellent light pink for spring	1.50

MEDIUM PINK

	Tr. Pkt.
● Ball Pink Hybrid No. 2. Clear pink. See Ball Hybrids, above. ½ tr. pkt., \$1.75	\$3.00
Ball Pink Hybrid No. 3. (New.) See new Ball Hybrids, above. ½ tr. pkt., \$1.75	3.00
Ball Pink Hybrid No. 4. (New.) See new Ball Hybrids, above. ½ tr. pkt., \$1.75	3.00
● Cheviot Maid No. 33. Medium pink	1.50
● Dorcas Jane. HYBRID. Silvery rose-pink. ½ tr. pkt., \$1.50	2.50
Early Cincinnati. Early flowering medium pink	1.00
New Cincinnati. Medium rose-pink; long spikes	1.00

Ball Snapdragons

GENERAL LIST—Continued

ROSE

	Tr. Pkt.
America. Very attractive rose and orange bicolor.....	\$1.50
Ball Rose Hybrid No. 9. Deep rose. See new Ball Hybrids, opposite page. ½ tr. pkt., \$1.75.....	3.00
● Better Times. HYBRID. Bright cerise-rose. ½ tr. pkt., \$1.25.....	2.00
Charm. Extra large deep rose.....	2.50
Cheviot Maid Reselected. Popular rose-pink.....	1.00
● Christmas Cheer. HYBRID. Rose-pink. ½ tr. pkt., \$1.75.....	3.00
● Delworth's Supreme. Deep rose.....	1.50
Gilbert's Pink Supreme Queen. Deep rose-pink.....	2.00
Maxine. HYBRID. Rose-pink. ½ tr. pkt., \$1.75.....	3.00
● Peggy Schumann. Creamy rose-pink.....	2.00
Rockwood Pink Supreme. Fairly deep, bright rose-pink.....	2.00
Rose Queen. Deep rose; an old time favorite.....	1.00
Tetraploid Rose. Extra large, deep cerise-rose.....	1.50

RED

● Ball Red Hybrid No. 7. See Ball Hybrids, opposite page. Bright scarlet-crimson. ½ tr. pkt., \$1.75.....	3.00
Ball Red Hybrid No. 8. See new Ball Hybrids, opposite page. ½ tr. pkt., \$1.75.....	3.00
Red Lips. Wine-red with gold lip and white tube.....	2.00
● Shisler's Red. Attractive wine-red.....	2.00

WHITE

Ball White Hybrid No. 5. Pure white. See new Ball Hybrids, opposite page. ½ tr. pkt., \$1.75.....	3.00
Feist's White. Creamy white with yellow lip.....	2.00
Junglewood White. Late white. ½ tr. pkt., \$1.25.....	2.00
Koester's White. Extra early pure white.....	1.50
Lucky Strike Imp. Long stemmed ivory-white.....	1.50
Madeline. Late flowering pure white.....	2.00
● Margaret. Ivory-white.....	2.00
Marion. Popular spring flowering white.....	1.50
● Peace. Paper-white.....	1.50
Rockwood's Crystal White. (New.) Pure white.....	3.00
Schaffroth's White. Long stemmed creamy white.....	1.50
Schlegel's White. Early, vigorous white.....	1.50
Snowdrift. Double flowering white. ½ tr. pkt., \$1.75.....	3.00
Snow White. Fine spring white; many flowers duplexed.....	1.50
Tommy Armstrong. (New.) A first class pure white for late winter and spring.....	3.00
Westover's Fringed White. Large fringed white.....	1.00
Westover's Fringed White, Early	1.50
● White Wonder Imp.	1.50

YELLOW

	Tr. Pkt.
● Ball Yellow Hybrid No. 1. Golden yellow. See Ball Hybrids, opposite page. ½ tr. pkt., \$1.75.....	\$3.00
Carol Jean. Light, creamy yellow.....	2.00
Ceylon Court. Standard yellow.....	1.00
Coate's Yellow Perfection. Spring flowering yellow....	1.00
● Ethel. Best self-pollinated yellow.....	1.50
Goldrush. HYBRID. Large flowered medium yellow. A good producer. ½ tr. pkt., \$1.75.....	3.00
Junglewood Lemon. Light yellow. ½ tr. pkt., \$1.25.....	2.00
Junglewood Yellow. Clean growing. ½ tr. pkt., \$1.25.....	2.00
Klondike Supreme. Deep yellow; vigorous.....	1.00
Patricia. (New.) HYBRID. Medium yellow. ½ tr. pkt., \$1.75.....	3.00
Thomson's Yellow Imp. Early flowering deep yellow...	2.00
Yellow Peggy Schumann	2.00
Yellow Wonder Imp. Extra early.....	1.50

LAVENDER

● Ball Lavender. Rosy lavender.....	1.50
Bertha Baur. Prefer Ball Lavender.....	1.50
Schumann's Lavender. Popular spring variety.....	2.00
Windmill's Lilac. Long stemmed rosy lilac.....	2.00

BRONZE

● Afterglow. Orange-bronze.....	1.00
Ball Bronze Hybrid No. 6. Scarlet-bronze. See new Ball Hybrids, opposite page. ½ tr. pkt., \$1.75.....	3.00
Barbara. (New.) HYBRID. Large-flowered bronze with pink throat. ½ tr. pkt., \$1.75.....	3.00
Bronze Christmas Cheer. ½ tr. pkt., \$1.25.....	2.00
Glorious. Bright reddish bronze for spring.....	1.50
Ideal Improved. Blend of rose, orange and yellow.....	1.50
Jubilee. (New.) HYBRID. Light golden bronze. ½ tr. pkt., \$1.75.....	3.00
Kirkwood Beauty. Orange-bronze.....	1.00
● Lady Dorothy. Orange-bronze. ½ tr. pkt., \$1.75.....	3.00
Miss Wocster. Spring flowering, golden orange.....	1.00
Schlegel's Early Bronze. An improved Bronze Christmas Cheer, with better flowers and habit.....	2.00
Sunlite. Extra early light bronze.....	1.00
Talisman Imp. Double and semi-double golden bronze..	2.00

MIXTURES

Ball Forcing Mixture. Carefully blended by formula....	1.00
Standard Early Mixed. All varieties.....	.75



Making Snap crosses at Ball's

SNAP BREEDING AT BALL'S

We have made Snaps the subject of concentrated effort in our greenhouse breeding program. Some of the highlights of this program are:

1. Over 1000 original crosses with original parental material, resulting in such fine, vigorous hybrids as our six new offerings listed on opposite page.
2. Two complete flowering trials each season—one in mid-winter, the other in spring. Dozens of new varieties are "trialed" and compared with the best standard varieties in current use.
3. Cultural experiments, investigating the possibilities of new rotation schemes, methods of pinching, single stem culture, etc.—information written up in our GROWER TALKS and our RED BOOK to help you make Snaps an even more profitable crop to grow. Write us for specific cultural directions.

Outdoor Snapdragons

(175,000 seeds per oz.)



SKYSCRAPER

An outstanding new race of outdoor Snapdragons with vigor, stiffness of stem and flower spikes that closely approach greenhouse forcing varieties in cut flower quality. We were much impressed with Skyscraper in our outdoor trials this past summer, and feel that any grower who can give them one set of wire and string supports, and some protection from heavy winds, will be well repaid in fine cut flowers for the little time required. Colors are pastel shades of ivory, yellow and pink. Tr. pkt., 50c; 1/16 oz., 90c; 1/8 oz., \$1.60; 1/4 oz., \$2.90.

← Note the unusual stem length and good flower spikes on these specimens of Skyscraper being examined by our Arne Knutsson. Plants were grown without support in beds on our office lawn.

BALL TEN BEST

(Rust Resistant)

- **Alaska.** (Tall.) The best long-stemmed clear white variety for cutting.
- **Canary Bird.** (Tall.) Long-stemmed clear light yellow. Good cut-flower type.
- **Cherry-Red.** (Medium Tall.) A bright, rosy cerise-red with some color variation.
- **Copper Queen.** (Tall.) Shades of bronzy copper; long stemmed and attractive.
- **Maximum Crimson.** (Tall.) A warm, deep glowing crimson; valuable for cutting.
- **Orange Shades.** (Medium Tall.) Bright and showy; not the usual coppery bronze.
- **Pinkie.** (Medium Tall.) A lighter rose shade than Rosalie; very fine.
- **Rosalie.** (Medium Tall.) A rich deep rose; fine for cutting. Our most popular summer Snap.
- **Swingtime.** (Tall.) Fine medium light pink with white throat.
- **Yellow Jacket.** (Medium Tall.) An exceptionally attractive deep rich yellow.
- **Improved California Mixture.** A carefully blended formula made up by ourselves of the above varieties.

Prices above 11, each: tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

TETRAPLOID

- **Giant Ruffled "Tetra."** "Tetraploid" is rapidly becoming a magic word in bedding Snaps. Several customers have written in saying that since they offered "Tetras" to their trade many of their customers have gone over to them entirely for bedding use. They are not yet available in complete separate colors, but the mixture contains an excellent array. Tr. pkt., 50c; 1/16 oz., 90c; 1/8 oz., \$1.60; 1/4 oz., \$2.90.

We feel that many growers could do better than offer their customers the usual lot of "mixed outdoor Snaps" for their spring bedding needs. Especially attractive and valuable for bedding are the Nanum Grandiflorum varieties. All are dwarf, bushy growing sorts, without the tendency to "flop" and sprawl that most Snaps have unless supported. They're quite free flowering, too, and do well in most areas. Most of the other classes have definite summer cut flower value if a few simple requirements are met. Sow early (February in most localities) so that well started plants in pots or bands are ready to plant out as soon as frost danger is past. Wire and string supports and protection from winds are a necessity if crooked, worthless stems are to be avoided.

STANDARD SUMMER SNAPS

TALL (Maximum). The long-stemmed type for cutting.

- **Appleblossom.** (Rust Resistant.) Pink with white throat.
- **Campfire.** (Rust Resistant.) Bronzy scarlet.
- **Copper King.** (Rust Resistant.) Fine copper-scarlet.
- **Daffodil.** (Rust Resistant.) Canary-yellow.
- **Loveliness.** (Rust Resistant.) Shades of light pink.
- **Red Cross.** (Rust Resistant.) Striking red, yellow and white.
- **Yellow Giant.** (Rust Resistant.) Rich yellow.
- **Mixture.** (Rust Resistant.) Choice colors.
- **Irish Melodies.** Unusual bicolor shades of lavender, terra cotta, cream, yellow and bronze, flecked and blotched with pink or white. Plenty tall for cut flower use.

Prices above 9, each: tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

- **Velvet Giant.** The rich, velvety crimson-red flowers of this variety are much larger than most outdoor Snaps, and the spikes are heavier. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.80.

MEDIUM TALL (Majus Grandiflora). Not quite as long-stemmed as the Maximums, but long enough for cut flowers.

- **Harmony.** Apricot-pink shades.
- **Padre.** (Rust Resistant.) Brilliant crimson.
- **Shasta.** (Rust Resistant.) Creamy white.
- **Hybrid Mixture.** (Rust Resistant.) Balanced mixture.

Prices above 4, each: tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

HALF DWARF (Majestic). Extra large flowered.

- **Golden Dawn.** Light golden bronze.
- **Rose Sensation.** (Rust Resistant.) A fine shade of light pink.
- **Mixture.** (Rust Resistant.)

Prices above 3, each: tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

DWARF BEDDING (Nanum Grandiflorum).

- **Black Prince.** (New.) Brings the popular deep velvety crimson color to this valuable bedding class. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.
- **Gloria.** Uniformly dwarf and bushy in habit with freely produced, deep rose-pink flowers. Imported strain. Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.
- **Golden Queen.** Rich golden yellow. Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.
- **St. George.** Flashing orange-cerise. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1 oz., \$3.00.
- **Senorita** (New). Well named for its bright, vivid scarlet-orange color. Free flowering, uniform—a very superior bedding Snap. Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Mixture. (Rust Resistant.) Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

TOM THUMB. Magic Carpet. An attractive mixture of colors in this dwarf class (4 to 6 in.) Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Annual Larkspur

(8,000 seeds per oz.)

For Early Summer Cut Flowers Outdoors: If you failed to make an outdoor sowing last fall, almost as good results can be had from a spring sowing—if you get your seed in the ground just as soon as the frost is out of it.

Under Glass—Spring Flowering: For indoor growing, Larkspur is a nice crop to follow late Mums. Well started 3-inch banded or potted plants should be ready, and are produced by a December or January sowing. Space at least 12x12 in. on ground; 10x10 in. on raised beds should be ample. The after-Mum planting is generally started out cool, 40° to 45° nights, increasing to 50° or more with spring weather.

Varieties: Many new varieties have been introduced within the past few years—some excellent, others rather ordinary. We've tried all of them, and have made up our "7 Best" list based on our observations. If you're not familiar with the newer sorts, we suggest that you confine the bulk of your planting to the "7 Best."

"7 BEST"

Don't be alarmed if our recommendations in this "7 Best" list change from year to year. Reason: several capable plant breeders are doing good work on Larkspur. The changes are **always** improvements when they reach our 7 Best list. This list is based on our greenhouse flowering trials. Generally strains which are found best under glass seem also best adapted to outdoor culture.

- **Salmon Supreme.** Medium deep rose; heavy, fully double spikes.
- **Dark Blue Supreme.** Deep violet-blue; improves Blue Spire.
- **White Supreme.** The most vigorous white according to our trials.
- **Regal Salmon-Pink.** (New.) Best in its color class; extra large florets.

Prices above 4 each: tr. pkt., 35c;
½ oz., \$1.00; 1 oz., \$1.80; 4 ozs., \$6.00; 1 lb., \$18.00.

- **Super Majestic Light Blue.** (New.) An excellent light blue; outstanding.
- **Super Majestic Lavender.** Beautiful orchid-lavender; a rich color.
- **Giant Imperial Brilliant Rose.** The standard deep rose; fully double.
- **7 Best Mixture.** Blended by formula from these 7 varieties.

Prices above 4, each: tr. pkt., 25c;
½ oz., 65c; 1 oz., \$1.10; 4 ozs., \$3.60; 1 lb., \$11.00.

SPECIAL OFFER: One tr. pkt. each of above 7 varieties for \$1.75.

REGAL TYPE

- **Regal Rose.** Rich, deep rose with fine, heavy spikes and large, double florets. This was outstanding in our trials.
 - **Regal Salmon-Pink.** See 7 Best above.
- Prices above two each: tr. pkt., 35c;
½ oz., \$1.00; 1 oz., \$1.80; 4 ozs., \$6.00; 1 lb., \$18.00.

SUPER MAJESTICS

Extra vigorous growth with long stems and long spikes of fully double flowers are the important points about this strain.

- **Deep Carmine.** (New.) Rose, flecked white.
 - **Deep Salmon-Pink.** Medium deep rose.
 - **Lavender.** See 7 Best, above.
 - **Light Blue.** See 7 Best, above.
 - **Rose-Pink.** Excellent, medium pink.
 - **Rosy Mauve.** (New.) Rich lilac shade.
 - **White.** Long stemmed pure white.
 - **Mixture** of above and other colors.
- Prices above 8, each: tr. pkt., 25c; ½ oz., 65c; 1 oz., \$1.10; 4 ozs., \$3.60; 1 lb., \$11.00.

GIANT IMPERIALS

(Base Branching)

- **Blue Bell.** Shades of light blue.
 - **Blue Spire.** Fine violet-purple.
 - **Brilliant Rose.** See 7 Best, above.
 - **Coral King.** Pleasing, soft coral-pink.
 - **Dazzler.** Deep carmine, flecked white.
 - **Exquisite Pink Imp.** Fine medium pink.
 - **Gloria Imp.** Medium rose shades.
 - **Lilac King.** Rich, deep bluish lavender.
 - **Lilac Queen.** Orchid; lighter and rosier than Lilac King.
 - **Los Angeles Imp.** Salmon-rose.
 - **Miss California.** Prefer Super Majestic Rose-Pink.
 - **Rosalind.** Vigorous, medium pink.
 - **Rosamond.** Excellent deep rose. This is a Stock-Flowered variety.
 - **Sweet Lavender.** A good lavender.
 - **White Cockade.** Good pure white.
 - **White King.** Standard white.
 - **White Spire.**
 - **Formula Mixture** of Giant Imperials.
- Prices above 18, each: tr. pkt., 25c;
½ oz., 65c; 1 oz., \$1.10; 4 ozs., \$3.60; 1 lb., \$11.00.



WHITE SUPREME

We consider White Supreme the finest of the new long-stemmed white Larkspurs.

SUPREMES

A vigorous growing, base branching class with large spikes of fully double flowers. Compares favorably with the Super Majestics in stem length and spike quality.

- **Dark Blue Supreme.** See 7 Best, above.
 - **Lilac Supreme.** Good rosy lavender.
 - **Rose Supreme.** Clear deep rose.
 - **Salmon Supreme.** See 7 Best, above.
 - **White Supreme.** See 7 Best, above.
 - **Supreme Mixture.** All Supreme colors.
- Prices above 6, each: tr. pkt., 35c; ½ oz., \$1.00; 1 oz., \$1.80; 4 ozs., \$6.00; 1 lb., \$18.00.

HYACINTH-FLOWERED

Produces one long non-branching spike.

Dark Blue Lavender Pink
Purple White Mixed

Prices above 6, each: tr. pkt., 35c;
½ oz., 90c; 1 oz., \$1.60; 4 ozs., \$5.20; 1 lb., \$16.00.

Florists' Delphinium

(10,000 seeds per oz.)

GIANT PACIFIC HYBRIDS Court Series

Astolat. (New.) This series is composed principally of pale blush shades with several darker tones including a few raspberry-rose. All have dark bees. Originator's Seed only. Limit 1 pkt. (about 200 seeds), \$1.25.

Our "Six Best"

- **Black Knight.** Deep midnight violet. The darkest of all.
- **Blue Bird.** The clearest of medium blues; white bees.
- **Galahad.** The finest clear white Delphinium. Huge, double flowers on long, closely set spikes.
- **Guinevere.** Excellent, light pinkish lavender; white bee.
- **King Arthur.** Royal violet with white bee. Exceptional size.
- **Summer Skies.** Light blue with an attractively contrasting white bee.
- **6 Best Mix.** Formula mixture of the above 6 varieties.

- **Black Knight.** See 6 Best above.
- **Blue Bird.** See 6 Best above.
- **Blue Jay.** A brilliant true medium blue with dark bee.
- **Cameliard.** A pure lavender with white bee. Very attractive.
- **Guinevere.** See 6 Best above.
- **Galahad.** See 6 Best above.
- **King Arthur.** See 6 Best above.
- **Percival.** Large, glistening white flowers with strongly contrasting black bees.
- **Summer Skies.** See 6 Best above.

Round Table. Contains all above plus many new colors.

Prices of Above (Except Astolat)

Giant Pacific Hybrid Delphiniums, Court Series, are available in two grades, as follows:

Originator's Seed (Vetterle & Reinelt). An excellent strain of Giant Pacific Hybrids kept uniform and vigorous by the originator. All above varieties are available in Originator's Seed. 1/2 tr. pkt., \$1.00; tr. pkt., \$1.75; 1/8 oz., \$3.00; 1/4 oz., \$5.00; 1 oz., \$18.00.

Regular Seed. A satisfactory strain one generation removed from originator's seed. Grown by a reliable seed producer. The above varieties are available. Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

Whether you grow for cut flowers indoors or out—or for a plant trade, Delphinium should be a part of your program. And the wonderfully fine Giant Pacific Hybrids should head your list of varieties. Our trials last summer again showed them far ahead of any other strain for huge florets and spikes—and for wonderful colors. If seed is sown around mid-January, germination will be much better than during the heat of midsummer and plants will grow faster. Transplant the seedlings to 2-inch plant bands, which should go into a cold frame as soon as weather permits—then to the open field as early as the soil can be worked. Nearly every plant will produce at least one good spike the first summer (in July or August) with a bumper crop the second year.

GIANT PACIFIC HYBRIDS Regular Strain

Clear White. A fine clear white, large flowered hybrid Delphinium.

Blue Shades. Popular mixture of light, medium and dark blue shades.

Lavender Pastel Shades. Lavender combinations with dark bees.

Mixture. A complete mixture of all colors in this fine hybrid type.

Prices above 4, each: tr. pkt., \$1.00; 1/8 oz., \$2.00; 1/4 oz., \$3.50; 1 oz., \$12.00.

OTHER VARIETIES

● **Belladonna Imp.** (Cliveden Beauty). A carefully reselected strain of this popular light blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 ozs., \$10.00; 1 lb., \$35.00.

Belladonna. Light blue. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.20.

Bellamosum Improved. A reselected strain of this standard deep blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 ozs., \$10.00; 1 lb., \$35.00.

● **Lamartine.** Deep, bright marine-blue with white eye. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.75.

● **Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine free-flowering hybrid strain. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$2.70; 4 ozs., \$9.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Tr. pkt., 50c; 1/4 oz., \$1.60; 1 oz., \$5.50.

Gold Medal Hybrids. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Cardinale. Bright scarlet. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.40.


DELPHINIUM CHINENSIS (Annual Delphinium)

(20,000 seeds per oz.)

● **Blue Mirror.** Bright navy-blue flowers without spurs. Tr. pkt., 50c; 1/4 oz., \$1.20; 1 oz., \$3.60.

● **Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.60.

White **Dark Blue** **Mixture**
Prices above 3, each: tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

The image features four tall, spiky delphinium flower spikes. From left to right, the colors are deep purple, light blue, dark purple, and a lighter lavender. Each spike is densely packed with small, bell-shaped flowers. The background is a soft, out-of-focus yellow.

King Arthur

Summer Skies

QUEEN OF DELPHINIUMS
*Giant Pacific
Hybrids*

Black Knight

Guinevere

These 4 Giant Pacific Delphinium—plus the pure white variety Galahad and the brilliant Blue Bird—make up our "Six Best" group. Left to right: King Arthur, Summer Skies, Black Knight, and Guinevere. See opposite page for descriptions and prices.

BALL BETTER PLANT BANDS

AN EASIER AND BETTER WAY OF GROWING PLANTS

EASIER!

TIME SAVED IS MONEY SAVED!

Quickly opened; come completely assembled.

Rapidly filled; faster than small pots one at a time.

Much lighter to handle and store than pots.

No dirty pots to clean or sterilize.

Fit close; less watering needed.

Faster benching than bare-root transplants.

BETTER!

STURDIER GROWTH MEANS BIGGER CROPS!

Holds more soil than a pot of equal diameter; huskier plants.

Made of decay resisting veneer for longer life.

No wilting checks after transplanting.

Ideal to pack for the small plant shipper.

Make swell dozen-plant units in Ball PLANTRAYS for retail sales.

Bands packed in valuable greenhouse flats at no extra cost.



Onion plants in 4x4x4 band ready to sell and make money for you. Look at root system.

for Bedding Plants .. Chrysanthemums .. Perennials
Nursery Stock .. Carnations .. Vegetables

Prices BALL Better Plant Bands

Very Important! To save delay be sure to specify which way to ship—EXPRESS, FREIGHT, or TRUCK. This is important.

Bands sold only in units as listed below.

DISCOUNTS. Orders under \$130.00 net; 5% on \$130.00 to \$249.00; 10% on \$250.00 to \$499.00; 12½% on \$500.00 to \$1000.00.

F.O.B. Midwest Factory or West Chicago, Ill.



Young perennials in bands will find a ready sale during spring months.

Following sizes put up in units of 2000 only.

	Per 1000
1¾x1¾x2	\$4.20
1¾x1¾x2½	4.50
2x2x2	4.35
2x2x2½	4.90
2x2x3	5.10
2½x2½x2½	5.25
2½x2½x3	5.50

Following sizes available at Seattle, Washington at 15% above West Chicago prices: 2x2x2½, 2x2x3, and 2½x2½x2½.

These put up in units of 1000 only.

	Per 1000
3x3x3	\$5.70
3x3x4	6.40
4x4x3	6.30
4x4x4	7.10

These made extra heavy and put up in units of 250.

	Per 1000
4x4x6	\$15.80
6x6x4	16.00
6x6x6	21.00
6x6x9	28.00



Young Snap plant in 2x2x2 band carried along this way—ready to set out when your bench is ready.



Something **NEW!** HAS BEEN ADDED
TO OUR LINE OF

BALL Veneer "PlanTrays"

DOUBLE THICK VENEER

No. 3-X

7 $\frac{3}{4}$ x10 $\frac{1}{2}$ x2 $\frac{1}{2}$ " deep. Holds 1 doz. 2 $\frac{1}{2}$ x
2 $\frac{1}{2}$ " Bands. Price **\$49.20** per 1000. Put up
in crates of 150.

We are also making now a No. 2X for 1 doz. 2x2 $\frac{1}{2}$ Bands, sells for **\$42.80** per 1000.

These make very sturdy small flats that will stand up with rough handling—just
the thing for good sized plants of any kind to bring in real profits for you. They
can also be used for soil without Bands.

These PlanTrays are made just like our Regular No. 2-R shown below except that veneer
is double thick—giving them the strength and stiffness of a small wood flat.

Note also cut below showing our No. 2 **Special** PlanTrays. For the grower selling small
plants in quantity, these (holding 25 plants) are just the thing.

Samples of any of these items sent on request. Please state which size you are interested in.

Below: Upper left is No. 2-R PlanTray being filled
with 2x2x2 $\frac{1}{2}$ inch bands; lower left same with nice
Tomato plants growing; lower right No. 1-R size.



Prices on Ball Veneer PlanTrays

Size	Units of	Per 1000
No. 1-R (for 12 1 $\frac{3}{4}$ " Bands)	250	\$33.60
No. 2-R (for 12 2" Bands)	250	35.80
No. 3-R (for 12 2 $\frac{1}{2}$ " Bands)	250	41.00
No. 2-X (for 12 2" Bands)	250	42.80
No. 3-X (for 12 2 $\frac{1}{2}$ " Bands)	150	49.20
No. 4-X (for 12 3" Bands)	100	54.60
No. 1-S (for 25 1 $\frac{3}{4}$ " Bands)	250	35.80
No. 2-S (for 25-2" Bands)	250	39.40

Be sure to order these early—specify how to ship.

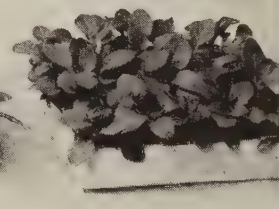
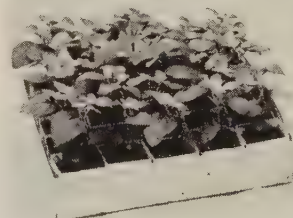
Quantity Discounts: Under \$100, net;
\$100 to \$174, 5%; \$175 up, 7 $\frac{1}{2}$ %.

Ball PlanTrays—No. 2-S

Hold 25—2x2 Bands.

Note those sturdy Snaps, Begonias and Pe-
tunia Plants—ready to make more money
for you and please your customers.

No. 1-S holds 25—1 $\frac{3}{4}$ x2 Bands.



This Mum plant is
ready for the bench
and will really grow.
That's a 2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x3
band.

BIRD Vita-Bands—Tom Thumb Flats and Paper Pots

We carry a complete line at our West Chicago Plant. Prices are f.o.b. West Chicago or at
factory, East Walpole, Mass. Sold in units of 1000 only.

	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x2 $\frac{1}{2}$	1 $\frac{3}{4}$ x1 $\frac{3}{4}$ x2 $\frac{1}{2}$	2x2x2 $\frac{1}{2}$	2x2x3	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x3	3x3x3	4x4x3	4x4x4
Vita-Band 40	\$5.40	\$5.95	\$6.50	\$8.00	\$9.25			
Vita-Band 10	3.30	3.55	4.00	4.55	5.30	6.15	8.05	10.15

PAPER POTS

	Vita Pots	Red Pots
2 in.	\$11.95	\$ 7.50
2 $\frac{1}{4}$ in.	12.20	7.50
2 $\frac{1}{2}$ in.	12.75	7.60
3 in.	14.15	8.00
3 $\frac{1}{2}$ in.	19.00	10.60
4 in.	21.40	12.70
5 in.	28.05	15.55

Quantity discounts: \$200 to \$499, 5%; \$500 to \$999, 7 $\frac{1}{2}$ %; \$1000 up, 10%.

TOM THUMB FLATS

Put up in units of 250 only.

Flats per 1000	
Size No. 1	Size No. 2
\$35.80	\$39.80

Combination 1000 Flats and 12,000 Vita- Bands 40—Per 1000 Sets	
Size No. 1	Size No. 2
\$97.60	\$107.80

Combination 1000 Flats and 12,000 Vita- Bands 10—Per 1000 Sets	
Size No. 1	Size No. 2
\$74.20	\$81.80

Quantity discounts: \$300 to \$1199, 5%;
\$1200 up, 10%.

Popular Annuals

For Bedding and Cutting

On this and the following pages thru page 45 we have grouped, in alphabetical order, all our valuable bedding and cut flower annuals except specialties on foregoing pages. Perennials will be found starting on page 51. In selecting these varieties, we keep in mind the interest of the professional or commercial grower only, thereby giving meaning to our business—"Flower Seeds for Florists."

To better enable you to judge the amount of seed you'll need for your planting requirements we have indicated the number of seeds per ounce of all important items listed. For example: **ACROCLINIUM**—8500 S means 8500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 60 to 70 percent.

The dot (●) indicates varieties most dependably satisfactory in our experience and observation.

ABUTILON (Flowering Maple)

Giant Flowered Mixed. 7000 S. Extra large and early flowering. Ornamental leaves. Tr. pkt., 35c; 1/8 oz., \$1.20.

ACROCLINIUM

New Hybrids (Sensation Giants). 8500 S. An extra large semi-double strain of brightly colored strawflowers for spring cutting. Shades of rose, pink and white. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

AGAPANTHUS

Umbellatus (Lily-of-the-Nile). Bright blue, funnel-shaped flowers about 1 1/2 inches long, borne in umbels. Tr. pkt., 40c; 1/4 oz., 75c.

AGATHAEA

Coelestis (Blue Daisy). 27,000 S. Fairly tall (30 in.) and useful for cutting. Of slow germination. Tr. pkt., 25c; 1/4 oz., 50c.

AGERATUM

MEXICANUM. 200,000 S. Most seed-produced strains vary in habit but make satisfactory material for flat sales.

Blue Ball Improved. 6 to 10 in. Large flowered strain. Tr. pkt., 30c; 1/8 oz., 65c; 1/4 oz., \$1.20; 1 oz., \$4.00.

Blue Perfection. 10 to 15 in. Large flower heads. Tr. pkt., 20c; 1/4 oz., 45c; 1 oz., \$1.50.

Tall Blue. 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Fairy Pink. 10 to 12 in. Shades of light pink. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.65; 1 oz., \$5.50.

Imperial Dwarf White. 10 to 12 in. Medium dwarf, fairly clear white. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

Golden Ageratum (Lonas inodora). Freely produces large clusters of Ageratum-like golden yellow flowers on medium tall (12 in.) plants. Very colorful for bedding or borders. Tr. pkt., 35c; 1/16 oz., 75c; 1/8 oz., \$1.35; 1/4 oz., \$2.50.

AGERATUM, Continued

● **Blue Bedder.** (See cut, opposite page.) Fairly uniform in growth and color with medium sized, freely produced bright blue flowers, 6 to 10 in. This and Midget Blue are the two finest seed-produced strains we know of. Tr. pkt., 35c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$4.50.

● **Midget Blue.** Small, clear blue flowers are freely carried on dense small-leaved plants. Fairly even growth. 6 to 10 in. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.65; 1 oz., \$5.50.

ALOE

● **Variegata** (Tiger Aloe). 2-in. pot plants of this attractive green and yellow tigered succulent can be produced in less than a year. A valuable item for florists. 100 seeds, \$1.50; 500 seeds, \$6.50; 1000 seeds, \$11.00.

Fercx (African Wart Aloe). A fast growing succulent that will produce small saleable plants in 6 to 8 months from sowing. Much faster growing than Aloe Variegata. 100 seeds, 50c; 250 seeds, \$1.00; 500 seeds, \$1.75; 1000 seeds, \$3.00.

ALYSSUM

90,000 S. All are delightfully fragrant and do well even in poor soils. Valuable for combinations or bedding.

● **Carpet of Snow** (Snowcloth). Produces a very dense flat mass of white flowers, 3 to 4 in. high by 8 to 10 in. across. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c; 4 ozs., \$2.25.

● **Little Gem.** 5 in. Dense rounded heads of white flowers; does not spread. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c; 4 ozs., \$2.75.

● **Violet Queen.** 5 in. Fragrant, bright violet flowers are borne on dwarf compact plants. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25; 4 ozs., \$4.25.

Maritimum (Sweet Alyssum). 10 in., medium tall strain. Tr. pkt., 10c; 1 oz., 35c; 4 ozs., \$1.20; 1 lb., \$3.50.

Perennial Allyssum. See page 51.

AMARANTHUS

Molten Fire. 28,000 S. 4 ft. attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, open locations. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

ANCHUSA

Blue Bird (Capensis). 1100 S. Attractive deep Forget-Me-Not-blue flowers. 18 to 24 in. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Perennial Anchusa. See page 51.

MISCELLANEOUS ANNUALS—Continued

ARCTOTIS

Breviscapa Aurantiaca. 7700 S. 6 in. Single Daisy-like orange flowers with dark centers. Tr. pkt., **35c**; ¼ oz., **85c**.

Grandis. 25,000 S. Single silvery white flowers with lilac shading and dark center. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Large Flowered Hybrids. 3700 S. 2½ in. Gerbera-like flowers in many beautiful colors. Tr. pkt., **40c**; ¼ oz., **\$1.20**; 1 oz., **\$3.60**.

ASPARAGUS

750 S. We offer seed from a California specialist which germinates around 65 to 75% in a soil temperature of 70°.

Plumosus. **Sprengeri.**
Prices above 2, each: 100 seeds, **30c**; 250 seeds, **65c**; 1000 seeds, **\$2.00**; 5000 seeds, **\$9.00**.

Perennial Asparagus. See page 52.

Asters, See pages 12 and 52.

Baby's Breath. See Gypsophila, page 36, and Euphorbia Corollata, page 53.

Bachelor Button. See Centaurea Cyanus, page 29.

BALSAM

DOUBLE BUSH FLOWERING. 3300 S. 15 in. Because flowers are produced above the foliage this class is by far the most attractive. Even in habit.

Scarlet. **Rose.** **White.** **Mixture.**
Prices above 4, each: tr. pkt., **35c**; ¼ oz., **70c**; 1 oz., **\$2.10**.

Double Camellia-Flowered Mixed. 24 in. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Begonias. See page 17.

BRACHYCOME

IBERIDIFOLIA (Swan River Daisy). 140,000 S. 6- to 8-in. plants bearing small single flowers.

Mixture of all colors in this class. Tr. pkt., **15c**; ¼ oz., **50c**; 1 oz., **\$1.50**.



AGERATUM BLUE BEDDER
Our best selling Ageratum.



Bells of Ireland

BELLS OF IRELAND (Molucella Laevis)

(New.) 7000 S. Plants are composed of several base-branching stems, each closely set with spikes of large bell-like sheaths of translucent green surrounding a small white flower. A good summer cut flower for use with other subjects, or may be dried. Tr. pkt., **50c**; ¼ oz., **\$2.00**; 1 oz., **\$6.00**.

BROWALLIA

Viscosa Compacta Sapphire. 65,000 S. Compact growth with a profusion of small attractively light-eyed blue flowers. Tr. pkt., **35c**; ¼ oz., **\$1.00**; ½ oz., **\$1.85**.

Speciosa Major. 1½-in. violet-blue flowers are carried on 10- to 12-inch plants. The standard variety for pots. Tr. pkt., **\$1.00**; ¼ oz., **\$2.00**; ½ oz., **\$3.75**.

CACALIA

Mixed (Tassel Flower). 56,000 S. Small, light scarlet and golden orange flowers on 30-in. stems. Free flowering and easily grown. Tr. pkt., **30c**; ¼ oz., **90c**; 1 oz., **\$2.70**.

CACTUS

All Sorts Mixed. An extra choice blend of unusual varieties collected from many sources. Requires a temperature of at least 65° for satisfactory results. 100 seeds, **30c**; 1000 seeds, **\$2.70**.

CALCEOLARIA

20,000 seeds per ½ oz.

● **Ball Multiflora Nana Mixture.** Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. The dwarf plants are wiry in growth with small durable leaves. Tr. pkt., **\$1.00**; ¼ oz., **\$2.35**; ¼ oz., **\$4.35**; ½ oz., **\$8.00**.

Cloth of Gold. Medium large freely produced golden yellow flowers. Very showy. Tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.50**.

● **Duplex Hybrids Mixed.** Upper pouch of each flower is almost as large as the lower, giving an attractive duplexed effect. Plants are bushy and fairly dwarf; nice color mixture. Tr. pkt., **\$1.00**; ¼ oz., **\$2.00**; ¼ oz., **\$3.50**.

● **Dwarf Tigered or Spotted.** Various spotted shades of red, yellow and rosy bronze. Dwarf and compact; needs no staking. Tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.50**.

Flower Cloud. Cloudlike heads of small flowers in shades of yellow, orange and bronze. Tr. pkt., **\$1.50**; ¼ oz., **\$3.50**.

● **Grandiflora Dwarf Mixed.** Extra large flowers in unusual and striking colors are carried on dwarf plants. Tr. pkt., **\$1.00**; ¼ oz., **\$2.75**; ½ oz., **\$5.00**.

Grandiflora Mixed. A tall growing strain of the above. Tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.50**.

Indian Prince. A bright scarlet Multiflora Nana selection. Tr. pkt., **\$1.00**; ¼ oz., **\$2.35**.

Perennial Hybrids (Rugosa). A very small flowered type for large exhibition work and bedding. Tr. pkt., **\$1.00**.

● **Triumph Strain.** Medium large flowers; mostly bright reds and yellows. Tr. pkt., **\$1.00**; ¼ oz., **\$2.75**; ½ oz., **\$5.00**.

Red Triumph. A separate color selection of Triumph, 90% true scarlet-red. Tr. pkt., **\$1.00**; ¼ oz., **\$2.75**; ½ oz., **\$5.00**.

MISCELLANEOUS ANNUALS—Continued

CALENDULA

GREENHOUSE VARIETIES

This long-stemmed class will flower freely during the spring months from a January sowing.

● **Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Golden orange with light eye.

● **Ball Masterpiece.** Deep glowing orange with dark eye.

● **Ball Lemon Queen.** Lemon-yellow with dark brown eye.

● **Ball Gold.** Deep golden yellow with light eye.

Ball Orange. Extra deep, intense orange. Light-eyed.

Ball Apricot. Dark-eyed buff or straw-yellow.

Campfire. Popular deep orange.

Prices above 7, each: tr. pkt., **40c**; ¼ oz., **60c**; 1 oz., **\$2.00**; 4 ozs., **\$6.50**.

Ball Formula Mixture. Carefully made up of our named varieties with fully half orange.

Ball Art Shades Mixture. Contains many original and unusual shades and interesting bi-colors.

Prices above 2, each: tr. pkt., **35c**; ¼ oz., **50c**; 1 oz., **\$1.50**; 4 ozs., **\$5.00**.

BEDDING VARIETIES

Showy for bedding where summer heat is not excessive.

PACIFIC BEAUTY CALENDULAS

These improved Calendulas are more resistant to summer heat than the ordinary bedding class.

Apricot Beauty. Attractive two-toned rich apricot.

Cream Beauty. Creamy white shading to soft yellow.

Lemon Beauty. A pure lemon-yellow; wide petals.

Persimmon Beauty. Brilliant, true persimmon-orange.

Pacific Beauty Mixture. A blend of the above four.

Prices above 5, each: tr. pkt., **35c**; ¼ oz., **50c**; 1 oz., **\$1.50**.

Lemon Queen. Light lemon-yellow.

● **Orange King.** Deep orange with dark eye.

● **Ball Bedding Mixture.** Well proportioned dwarf mixture.

Prices above 3, each: tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c**; 4 ozs., **\$2.40**; 1 lb., **\$7.00**.

Yellow Colossal. Extra double, clear bright yellow. Tr. pkt., **35c**; ¼ oz., **50c**; 1 oz., **\$1.50**.

CALLIOPSIS

90,000 S. Fairly dwarf and very free flowering bedding plants.

Gold Crest. Produces large (2½ to 3 in.) semi-double golden yellow flowers with reddish brown eyes. Tr. pkt., **15c**; 1 oz., **60c**.

Dwarf Mixture. 6 to 8 in. Attractive dwarf compact mixture of red and yellow shades. Tr. pkt., **15c**; 1 oz., **50c**.

CAMPANULA

Annual Canterbury Bells Mixture. 50,000 S. 2 ft. An annual form of the well-known perennial, flowering 6 months from sowing. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c**.

Perennial Campanulas. See page 52.

CANDYTUFT

HYACINTH-FLOWERED. 9,500 S.

● **Giant White.** (Ball Strain.) This is our own unsurpassed strain that has been especially bred for greenhouse cut-flower use. Uniform in growth and large flowered. Tr. pkt., **20c**; ½ oz., **45c**; 1 oz., **80c**; 4 ozs., **\$2.65**; 1 lb., **\$8.50**.

Miniature Gem. A nice very early flowering rock or border plant; 4 in. high. White. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c**.

UMBELLATA. A popular spring greenhouse cut flower. Sow in January; plant out 8x10 in. Is also widely used as a winter outdoor crop in Florida and southern Texas. Rose Cardinal is an exceptionally fine variety.

● **Carmine**
Purpurea (Crimson)
Flesh-Pink

● **Lavender** (Lilac)
● **Rose Cardinal**
White

Formula Mixture

Prices above 7, each: tr. pkt., **15c**; 1 oz., **50c**; 4 ozs., **\$1.65**.

Dwarf Hybrids Mixture. An attractive 3- to 4-in. miniature Umbellata. Very early. Tr. pkt., **15c**; 1 oz., **60c**.

Perennial Candytuft. See Iberis, page 55.

CARNATION

14,000 S. From an early sowing planted outdoors preferably under cloth protection, these strains will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

● **Giant Malmaison, J. M. Bridgeford.** Of sturdy upright habit. If well grown, supported and disbudded, flowers comparable to those produced in the greenhouse can be had outside where summers are moderate. Many colors are represented in this superior mixture. Tr. pkt., **35c**; ¼ oz., **\$1.10**; 1 oz., **\$3.30**.

Marguerite Double Mixture. 15-20 in. Ours is a reselected strain of this very free flowering summer Carnation. An old favorite. Tr. pkt., **25c**; ¼ oz., **65c**; 1 oz., **\$2.25**.

CHABAUD'S GIANT IMPROVED STRAIN!

● **Cardinal Red**
(Sparkler)

Flesh-Pink
(Reine Rose)

Crimson
(Blood Red)

Salmon-Rose

● **Deep Rose**
(Rose Queen)

● **White**
(Jeanne Dionis)

Deep Salmon
(Aurora)

Yellow
(Marie Chabaud)

Formula Mixture of all colors.

Prices above 9, each: tr. pkt., **35c**; ¼ oz., **90c**; 1 oz., **\$3.25**.

ENFANT DE NICE. A fine standard strain.

Red **Salmon** **White** **Formula Mixture**

Prices above 4, each: tr. pkt., **50c**; ⅛ oz., **\$2.00**.

Carnation Grenadin. See page 52.

Castor Bean. See Ricinus, page 41.

CELOSIA

28,000 S. One of our most easily grown and showy annuals, but must not be planted out until weather is warm. Does well even in poor soils and hot climates.

PLUMOSA. Plumed or feathery type producing spire-like branches mostly from base of plant. The dwarf varieties are widely used for bedding and as spring and summer pot plants, while the taller strains make useful cut flowers in late summer.

MISCELLANEOUS ANNUALS—Continued



CELOSIA FIERY FEATHER

CELOSIAS, Continued

- **Dwarf Fiery Feather.** 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.
 - **Dwarf Golden Feather.** 15 in. Same as above but slightly taller and golden yellow.
 - **Dwarf Feather Mixture.** A formula mixture of the above two varieties; $\frac{2}{3}$ Fiery Feather, $\frac{1}{3}$ Golden Feather.
- Prices above 3, each: tr. pkt., 25c; $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$4.00.

- **Scarlet Plume.** 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.
- **Golden Plume.** Tall. Same as above except a rich golden yellow. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.
- **Thompsoni Magnifica.** Ours is a fine even strain of this popular tall growing variety. Contains strikingly brilliant reds and yellows with some copper and gold shades. This makes an excellent cut flower. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.
- **Spicata.** 5 ft. Long slender silvery rose spikes. Useful as a fresh cut-flower or for drying. Tr. pkt., 20c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

CRISTATA. The popular cockscomb type. The taller varieties provide good cut flowers in either the fresh or dried state, while the dwarf kinds make nice pot plants in summer.

Gilbert's Rose Beauty. Ruffled, ball-shaped heads, about 6 in. across, are of a pleasing rose-pink underlaid with silver. Stem length is about 3 ft. Originator's tr. pkt. (300 seeds), 50c.

Gilbert's Maple Gold. Attractive combs varying in color from light to dark pink, tipped with gold. Grows 2 to 3 feet high and makes an excellent cut flower. Originator's tr. pkt. (300 seeds), 50c.

CELOSIAS, Continued

Gilbert's Harlequin. Bushy, semi-dwarf plants, branching from base with many small to medium combs in varying Maple Gold shades. Originator's tr. pkt. (500 seeds), 75c.

- **Empress.** (Dwarf.) 12 in. Large crimson combs with deep reddish leaves.

Glasgow Prize (Pres. Thiers.) 12 to 15 in. Deep crimson combs set in bright green leaves.

- **Dwarf Cristata Mixture.** 15 in. A choice mixture of all colors in this class with both light and dark foliage.

Prices above 3, each: tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

- **Royal Velvet.** A uniform strain of semi-tall "cockscomb" Celosia. Crimson combs borne well above foliage on 24- to 30-in. stems. Tr. pkt., 25c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.00.

- **Tall Mixture.** 40 in. Mixture of all colors in the tall class. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 80c.

CHILDSII (Chinese Woolflower). An attractively different type with knobs or ball-like formations on the end of each branch.

Crimson

Mixture

Prices above 2, each: tr. pkt., 20c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

CENTAUREA

CYANUS (Bachelor Button or Cornflower). 6500 S. Ours are the very finest, free flowering, reselected florists' strains. Useful for spring greenhouse flowering or can be flowered outdoors in June and July from a fall sowing.

- **Blue Boy.** The standard market variety.

Black Boy. Rich deep maroon.

Red Boy. Deep carmine-rose.

- **Pinkie.** Attractive rose-pink.

- **Snowman.** Fine clear white.

Formula Mixture of above varieties.

Prices above 6, each: tr. pkt., 15c; 1 oz., 45c; 4 ozs., \$1.50; 1 lb., \$5.00.

DWARF CENTAUREAS

The following three are all of the new dwarf, bushy type and are ideal for borders and general bedding. Height is about 10 to 12 in. with the freely produced flowers closely packed on the plant. Also makes a satisfactory pot plant.

- **Polar Gem.** Pure white fully double flowers.

- **Rose Gem.** Medium rose.

Prices above 2, each: tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

Jubilee Gem. Bright cornflower-blue. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

IMPERIALIS (Sweet Sultan). 7500 S. Thistle-like flowers; larger than the Cyanus type. Height 30 in.

White

Deep Lavender

Formula Mixture

Prices above 3, each: tr. pkt., 15c; $\frac{1}{4}$ oz., 30c; 1 oz., 90c.

Suaevolens (Yellow Sweet Sultan). 6700 S. Bright yellow thistle-like flowers; similar to the Imperialis type, but earlier flowering and not quite as tall (20 in.). Forces well indoors. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

DUSTY MILLERS. The white-leaved kinds for border work. *Cineraria Maritima* Diamond also belongs in this group.

Candidissima. 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 45c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.50.

Gymnocarpa. 7300 S. 24 in. Strong growing, fern-leaved. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 75c; 4 ozs., \$2.50.

MISCELLANEOUS ANNUALS—Continued



CENTAUREA AMERICANA

CENTAUREA, Continued

AMERICANA. 2400 S. Large (4 in.) flat, thistle-like flowers are produced in great profusion on 18-in stems; plants grow 2-2½ ft. tall.

Lilac. The preferred color. **White.**
Mixture of above 2 colors.

Prices above 3, each: tr. pkt., 15c; 1 oz., 60c; 4 ozs., \$2.00; 1 lb., \$6.00.

Centaurea Montana. See page 52.

CHERRY, CHRISTMAS (Solanum)

12,000 S. Sow in February, summer plants outdoors; lift and pot in September for Christmas pot plants.

● **Ball Christmas Cherry** (Hlavacek's Masterpiece). A uniform, bushy strain without the wild growth of the original Cherry varieties. Large, round red fruit is very freely produced.

Patterson Christmas Cherry. A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller sized pot specimens.

Prices above 2, each: tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Love Apple. See page 37.

Pepper, Avalon. See page 49.

Pepper, Christmas. See page 40.

Chinese Forget-Me-Not. See Cynoglossum, page 33.

CHRYSANTHEMUM (Annual)

9000 S. A valuable cut flower "catch crop" that responds well to electric light forcing. Space at least 12x12 in. Germination somewhat slow and irregular.

● **Eldorado** (Segetum). Golden yellow with brown eye.

● **Northern Star** (Carinatum). White with yellow zone, brown eye.

Mixture of all colors.

Prices above 3, each: tr. pkt., 15c; 1 oz., 60c.

CHRYSANTHEMUM, Continued

Rainbow Mixture (Carinatum). An outstandingly complete and brilliant mixture of annual Chrysanthemums including many entirely new shades and color combinations. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

● **Yellowstone.** Single and semi-double golden yellow 2-in. flowers are freely produced on bushy plants about 20 in. tall. Makes a fine bedding show throughout most of the summer. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Hardy Chrysanthemums. See page 52.

CINERARIA

An early January sowing, if kept growing right along, will make satisfactory 3-in. plants in late May for combination work, in our latitude. Sowings are made from June on for Christmas and later flowering.

Ball Copper-Scarlet. Compact small-leaved plants with medium sized, bright copper tinged, scarlet flowers. Uniform and attractive. Tr. pkt., \$1.50; ¼ oz., \$2.25.

● **Berlin Market Mixed.** (White-Eyed or Weissensee Strain.) 3500 seeds per ½ oz. Large rounded heads of medium large flowers. Tr. pkt., \$1.00; ¼ oz., \$1.75; ½ oz., \$3.25.

Berlin Market, Dark Crimson. A deep crimson selection without any eye. Tr. pkt., \$1.00; ¼ oz., \$1.75.

Dwarf Giant Exhibition Mixture. Extra large (4 to 5 in.) flowers in a wide color range on fairly dwarf plants. For exhibition work only. Tr. pkt., \$1.50; ¼ oz., \$2.50.

● **Grandiflora Dwarf Mixed.** 3500 seeds per ½ oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; ¼ oz., \$1.75; ½ oz., \$3.25.

Stellata Mixture. (Star type.) Small, free flowering strain. 24 to 30 in. tall. Tr. pkt., 75c; ¼ oz., \$1.25; ½ oz., \$2.25.

"**Vivid**" **Formula Mixture.** Because of increasing demand, we are offering this new mixture of solid colors, which we blend ourselves; ranging from salmon and azure-blue to blood-red and dark blue. Habit is dwarf with well rounded heads. Tr. pkt., (1000 seeds), \$1.50. Separate colors available on request at same price.



CINERARIA SITER'S RAINBOW STRAIN

See opposite page for listing.

MISCELLANEOUS ANNUALS—Continued

CINERARIA, Continued

- **No. 1 Mixture.** Consists of Cremer's Prize Strain and Siter's Rainbow Strains in equal proportions. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- **No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

- **Siter's Rainbow Strain.** 3500 seeds per $\frac{1}{32}$ oz. An excellent market strain with immense heads of medium large mostly white-eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.
- **Multiflora Nana, Gold Center.** 6300 seeds per $\frac{1}{32}$ oz. Attractive medium small, solid-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.
- **Cremer's Prize Strain.** (Our own reselected stock.) 6300 seeds per $\frac{1}{32}$ oz. Extra large heads of medium small flowers in widely varied color assortment; about half light eyed. An excellent commercial strain. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50.

DUSTY MILLER

- **Maritima Diamond.** 10 in. Our finest Dusty Miller. Compact, even growth and very white foliage. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

CLARKIA

ELEGANS DOUBLE. 90,000 S. Popular for spring cut flower use. Sow in January and grow in shallow soil, disbudding to 2 or 3 spikes for long stemmed flowers. Don't feed and keep fairly dry after plants are about a foot high to prevent over-soft, lanky growth.

Albatross. The best white.

- **Brilliant.** Bright deep rose. Good market color.
- **Orange King.** Excellent fully double orange-scarlet.
- **Salmon Queen.** Medium light salmon-pink.

Mixture of all colors in this class.

Prices above 5, each: tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.25.

CLEOME (Spider Plant)

12,500 S.

Golden Sparkler. (New.) Bright golden orange. An unusual Cleome color and strikingly decorative. Tr. pkt., 40c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.70.

Helen Campbell. (New.) A sport of Pink Queen, with glistening pure white flowers. Slightly earlier and larger than Pink Queen. Tr. pkt., 40c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.70.

- **Pink Queen.** A wonderfully attractive variety. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers changing to a clear white. Makes a heavy hedgelike row about 4 ft. tall and 3 to 4 ft. across. Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

COBAEA

SCANDENS. 375 S. A fine, strong growing, annual climber.

Purple. The most popular color. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

CORAL FLOWER

Small bright carmine flowers, freely produced on 24- to 30-in. stems. Grown principally for the small deep coral seed capsules that are really more attractive than the flowers. Tr. pkt., 30c; $\frac{1}{16}$ oz., 75c; $\frac{1}{8}$ oz., \$1.40.



Coleus Ball Rainbow Mixture

COLEUS

GROW COLEUS FROM SEED

3500 seeds per $\frac{1}{32}$ oz. Our Ball Rainbow Strain has greatly increased in popularity with florists in recent years. Because of its uniformity, they're using seed instead of taking cuttings, saving both time and money. Interesting color variations from seed are unobtainable in cutting propagated strains.

- **Ball Rainbow Mixture.** We spared no cost in producing this strain of medium to large leaved Coleus. Years of patient breeding, together with regular roguing during the growing season, have developed a mixture that surpasses in brilliance and vigor that of any other we have seen anywhere. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00. Limit, $\frac{1}{16}$ oz.

Hybrida No. 5. The medium sized leaves are a rich combination of deep mahogany-red and bright carmine-rose. And we find it comes around 80% true. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.00.

- **Giant Exhibition Mixture.** An extra large leaved strain with exceptional brilliance of coloring. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.25; $\frac{1}{16}$ oz., \$4.00.

Ball Copper Giant. Produces large leaves of a pleasing copper-rose shade and comes about 75% true to type. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.00.

Glory of Vichy. A popular strain predominating in the lighter, more golden shades. Tr. pkt., 60c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.00; $\frac{1}{4}$ oz., \$7.00.

CORN, ORNAMENTAL

Rainbow (Calico or Indian Squaw). Kernels of various colors make attractive ears for fall decorations. 1 oz., 15c; 4 ozs., 30c; 1 lb., \$1.20.

Strawberry. The attractive, tiny 2-in. ears of rich, shiny mahogany contrast with the straw-colored husks when folded back. Grand for fall floral arrangements. 1 oz., 40c; 4 ozs., \$1.30; 1 lb., \$3.90.

MISCELLANEOUS ANNUALS—Continued



COSMOS RADIANCE

COSMOS

SENSATION. 5000 S. The most satisfactory class of Cosmos to grow for cut flower purposes. Extra large flowers and extreme earliness make them suitable for growing outdoors even in northern climates.

- **Pinkie.** Clear rose-pink.
- **Purity.** Extra large flowered pure white.
- **Mixture** of above and other shades.
Prices above 3, each: tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.15.
- **Radiance.** (All-America Silver Medal.) Deep rose petals with large, rich crimson eye. A striking color combination.
- **Dazzler.** Bright crimson-red. This is a marked improvement over strains previously offered.
Prices above 2, each: tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.

EARLY SINGLE MAMMOTH FLOWERED

Queen Mixture. 5000 S. All colors in this large flowered class.
Tr. pkt., 15c; 1 oz., 60c.

EXTRA EARLY DOUBLE CRESTED. 5000 S. Produces around 60% large crested flowers.

Mixture. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.25.

GIANT FLOWERED LADY LENOX. 5000 S. The extra large flowered late blooming class.

Mixture. Tr. pkt., 15c; 1 oz., 40c.

HYBRIDA KLONDYKE. 2800 S.

- **Orange Ruffles.** An attractive semi-double; the same bright orange as the old Orange Flare but even earlier flowering and slightly more dwarf.
- **Yellow Ruffles.** Same type as Orange Ruffles, but a pleasing clear yellow.
Prices above 2, each: tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.00.

CUPHEA

7000 S. Very attractive and easily grown bedding plants.

- **Firefly.** Dense, compact plants reaching a height of 12 in. with freely produced, small, bright scarlet flowers. Also makes an attractive spring pot plant. Tr. pkt., 25c; ⅓ oz., 70c; ¼ oz., \$1.25.

CUPHEA, Continued

Avalon Hybrids. Vigorous and dense in growth; about 2 ft. tall. A fairly free flowering mixture of red, pink, lavender and purple shades. Tr. pkt., 35c; ⅓ oz., \$1.00; ¼ oz., \$1.75.

CYCLAMEN

A Word About Our Cyclamen. Repeated observations of Cyclamen flowering trials in our own greenhouses, as well as careful examinations of the leading strains grown elsewhere, have led us to believe that no one Cyclamen seed specialist excels in all varieties. As a result, the Cyclamen seed we offer on this page as Ball's strain has been obtained from several of the world's most qualified Cyclamen specialists. We believe our customers are entitled to this service.

All Cyclamen prices are net, no cash discounts, 250 of a variety at 1000 rate (except Vogt's). 10,000 to 25,000 seeds, any assortment of varieties, less 5%; over 25,000 seeds, less 10%.

	100 Seeds	1000 Seeds
No. 1 Dark Blood-Red	\$1.75	\$16.00
No. 2 Bright Red	1.75	16.00
No. 3 Pure Rose (Rose of Aalsmeer)	1.75	16.00
No. 4 Soft Rose with carmine eye. (Im- proved Rose of Marienthal)	1.75	16.00
No. 5 White with carmine eye	1.75	16.00
No. 6 Pure White	1.75	16.00
No. 7 Bonfire. Brilliant salmon	2.25	20.00
No. 8 Salmon-Scarlet (America Imp.)	2.30	21.00
No. 9 New Salmon-Rose Imp.	2.25	20.00



CYLAMEN No. 7 BONFIRE

MISCELLANEOUS ANNUALS—Continued

CYCLAMEN, Continued

	100 Seeds	1000 Seeds
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon	\$2.20	\$18.00
No. 11 Rose of Zehlendorf . Light salmon	2.20	18.00
No. 12 Orange Beauty . Orange-vermilion	2.30	21.00
No. 13 Rococo Mixed . Fringed flowers; unusual shapes and markings	2.25	20.00
No. 14 Morning Red	2.20	18.00
No. 15 Dirk Baardse . Soft wine-red	4.00	36.00
No. 16 Saffron Red-Silver Edged	2.25	20.00
No. 17 Striped Varieties Mixed	2.20	18.00
No. 18 Mozart . Deep pink	2.30	21.00
No. 19 Lavender	1.75	16.00
No. 21 Pink Pearl . Salmon-pink	2.30	21.00
No. 22 Baardse Wonder . Salmon with white border	2.25	20.00
No. 24 Roseum Oculatum . Light pink, salmon eye	2.20	18.00
No. 25 Sylphide . (New.) Light mauve	2.20	18.00
No. 26 Victoria . Fringed white, tipped red	2.25	20.00
No. 30 Mixture of above colors	1.65	15.00
No. 50 Ruffled Lavender	2.30	21.00
No. 51 Ruffled Salmon	2.30	21.00
No. 52 Ruffled White	2.30	21.00
No. 53 Ruffled Dark Red	2.30	21.00
No. 60 Ruffled Mixture	2.30	21.00

VOGT'S DOUBLE-FLOWERED STRAIN

Admiration. Salmon-rose with shaded eye.

Mixture.

Prices above 2, each: 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00; 1000 seeds, \$25.00.

CYNOGLOSSUM

AMABILE. Chinese Forget-Me-Not. 5000 S.

● **Firmament**. Fine bushy, compact plants with freely produced small flowers of the most intense clear blue. An excellent bedding plant that stands hot, dry weather well. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

● **Blue Bird**. An improved upright growing type; rich bright blue. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Pink Delight. (New.) Very bushy plants, similar in habit to Firmament but with pale orchid-pink flowers. Height 15-18 in. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.

CYPERUS

Alternifolius (Umbrella Plant). 200,000 S. An attractive addition to any form of water gardening. In a warm house, they will get up 2-3 ft. and are used to best advantage for summer plantings in aquariums, pools, and bird baths. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

DAHLIA

2800 S. Because of the wide variation in colors and types, seedling Dahlias are interesting to grow and tubers may be saved from the choicest specimens. The dwarf types are especially nice for outdoor bedding while the Unwin strain also makes a fine pot plant. All flower the first season from an early sowing.

Giant-Flowered Mixed. A choice tall mixture producing 50% giant double flowers of the very best types and colorings. Outstanding individuals may be propagated through tubers. Tr. pkt., 50c; ½ oz., \$1.65; ¼ oz., \$3.00; 1 oz., \$9.00.

The dot (●) indicates varieties most dependably satisfactory in our experience and observation.



CYCLAMEN RUFFLED WHITE No. 52
Try this for added interest in your Cyclamen selections.

DAHLIA, Continued

● **Unwin's Dwarf Hybrids**. Our strain of this popular variety is especially reselected for evenness of dwarf habit and a wide range of attractive colors in both double and semi-double forms. Seed sown during January will produce saleable 3- to 4-in. flowering pot plants in May. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50; 4 ozs., \$7.50.

COLTNESS STRAIN. Dwarf and free flowering single.

Mixture of all colors. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

DAISY

Dahlberg Daisy. An unusually attractive, compact edging plant with airy lacelike leaves. Can also be used as a pot plant. Produces a profusion of small yellow flowers continuously from late spring until frost. Forms a very even row, 6 to 8 in. high and 12 to 14 in. across. Germination somewhat irregular except in spring months. Tr. pkt., 50c; ½ oz., \$1.25.

Tahoka Daisy. Single daisy-like flowers of lavender-blue with deep yellow center are carried on medium length stems. Lacy fernlike foliage. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.10.

Blue Daisy. See Agatheia, page 26.

English Daisy. See Bellis, page 52.

Painted Daisy. See Pyrethrum, page 58.

Perennial Daisies. See page 53.

DATURA

Wrighti (Angel's Trumpet). 3 ft. Large trumpet-like flowers open soft lavender-rose, gradually turning white. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.80.

Delphinium. See page 22.

MISCELLANEOUS ANNUALS—Continued

DIANTHUS

25,000 S. Wonderfully showy and free flowering bedding plants. **Annual Sweet William** (*D. barbatusinensis*). 12 in. Single mixed. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

- **Sweet Wivelsfield Single Mixed**. 12 in. Probably the most popular of the annual Dianthus. Free flowering and brilliantly colored. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Sweet Wivelsfield Double Mixed. Same as above but most flowers either semi-double or double. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Westwood Beauty (*D. Heddensis*). This Dianthus, the result of a cross between *D. Heddewigi* and *D. Chinensis*, produces large 2-in. single flowers in shades of red on long stems. Somewhat more resistant to heat than ordinary Dianthus. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

- **Gaiety**. Large showy, fringed single flowers. Colors range from pure white to crimson and are attractively zoned. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.35.

HEDDEWIGI (Double Pinks). 10 in. Fine for rock garden and border work.

- **Fireball**. Deep scarlet.

- **Snowdrift**. Extra large flowered pure white.
 - Imperator Mixture** of all colors in this double class.
- Prices above 3, each: tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.
Hardy Dianthus. See pages 53-54.

DIDISCUS

Coeruleus (Blue Lace Flower). 10,000 S. Freely produces small (1½ to 2 in.) heads of light bluish lavender flowers. Useful for spring forcing, or outdoors in cool climates. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

DIMORPHOTHECA

9500 S.

Aurantia Hybrid Mixed. 6 to 10 in. 2-inch single daisy-like flowers in bright yellow, buff and orange shades. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Salmon Beauty. Soft salmon-pink. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

- **Glistening White**. Large, pure white daisy-like flowers with black eye, edged violet. Spreading plants 10-12 in. tall. Good for rock gardens, edging and cutting. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

DRACAENA

Indivisa. 1500 S. The narrow-leaved and most popular variety. Tr. pkt., 15c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.00.

Australis. 1000 S. The broader-leaved kind. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

Dusty Miller. See *Cineraria*, page 30, and *Centaurea*, page 29.

ECHIU

Blue Bedder. 6500 S. 14 in. Very early blooming annual producing ½-in. bell-shaped blue flowers throughout the summer until frost. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

EXACUM

Affine. An easily grown, neat and attractive pot plant with richly fragrant violet-blue flowers. Tr. pkt., \$1.00; ½ oz., \$3.00; ¼ oz., \$5.50.



GERBERA DUPLEX HYBRIDS

See list on opposite page

ESCHOLTZIA

15,000 S.

Aurantia. 1 ft. The true California Poppy. Rich orange. Tr. pkt., 15c; 1 oz., 50c.

Red Chief. Spreading plants with large, mahogany-red, single flowers.

Formula Mixture. Single flowers ranging from lightest yellow to dark red. Growth is compact and erect.

Prices above 2, each: tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

Little Beauty (*Pulchella*—New). 6 in. Dainty plants with slender, lacy foliage and small, freely produced bright yellow flowers. A fine border plant for shady locations. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.40.

Bush Escholtzia. See *Hunnemannia*, page 36.

EUPHORBIA

Variegata. 2500 S. The popular Snow-on-the-Mountain. Tr. pkt., 15c; 1 oz., 50c; 1 lb., \$4.00.

Heterophylla (Annual Poinsettia or Mexican Fire Plant). 5000 S. 36 in. Makes small Poinsettia-like formations at tips of branches. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Hardy Euphorbias. See page 53.

FREESIA

Seed sown in May will produce bulbs by September which will bloom the following January with good flowers and stems. Soak seed 24 hours before sowing.

Freesia seed strains vary widely in quality. While those listed below will be found of good standard quality, we can also supply special fancy strains. Glad to quote prices on request.

Refracta Alba. Pure white. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.00.

Refracta Buttercup. Yellow. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$6.00.

Rainbow Hybrids. Attractive mixture including blues, yellows and reds. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

MISCELLANEOUS ANNUALS—Continued

FELICIA

Bergeriana (King Fisher Daisy). 150,000 S. The dwarf blue Daisy for pot plants. 6 in. Germination sometimes slow and irregular. Tr. pkt., **35c**; ¼ oz., **\$1.00**.

Forget-Me-Nots. See *Myosotis*, pages 38 and 57.

FUCHSIA

HYBRIDA.

Special Mixture. A choice mixture of single and double types saved from one of the finest collections in the country. Fancy specimens may be cutting propagated. 250 seeds, **\$3.00**; 500 seeds, **\$5.00**; 1000 seeds, **\$9.00**.

GAILLARDIA

PICTA. 14,000 S. Annual Gaillardia. Fine free flowering, brightly colored material for beds or borders.

● **Indian Chief**. 12 to 15 in. An even and very free flowering single strain with solid red flowers.

Lorenziana Double Mixed. 12 in. Quite attractive and free flowering double strain of orange, yellow, red and rose shades.

Prices above 2, each: tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

● **Sunshine Double Mixed**. Fully double flowers about 2½ in. across are carried on strong stems 16 to 18 in. long. Attractive shades of wine-red, yellow and bicolor red and yellow. Retail growers will find this a valuable and easily grown source of summer cut flowers. Tr. pkt., **25c**; ¼ oz., **65c**; 1 oz., **\$2.25**.

Perennial Gaillardia, See page 54.

GAZANIA

Splendens Grandiflora Mixed. Medium sized single and semi-double flowers in shades of yellow and white. The vigorous plants are constantly in bloom. Stands hot, dry weather well. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

GERANIUM

Zonale. A mixture of single types in shades of white, pink, salmon and red. Easily grown from seed. Tr. pkt., **50c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

GERBERA (Transvaal Daisy)

Duplex Hybrids. This splendid new strain produces large 5-inch flowers with twice as many petals as the ordinary single type. All colors, except blue, are represented with flowers being carried on strong stems up to 3 ft. in length. 100 seeds, **60c**; 1000 seeds, **\$5.00**; 5000 seeds, **\$22.50**.

GESNERIA

Macrantha. The Gloxinia-like leaves of this attractive pot plant are crowned with an upright central stem bearing many slender, tubular, brilliant scarlet flowers from the leaf axils. Sow January to March for late fall and Christmas plants. Keep shaded during summer. Tr. pkt., **\$1.00**.

GLOXINIA

25,000 seeds per ½ oz. Sow in January for blooming plants in 4-inch pots during June and July. All Gloxinia seed is very fine and must be handled carefully.

● **Panzer Strain**. This strikingly beautiful velvety scarlet Gloxinia comes almost completely true from seed. Originated by one of the leading Pacific Coast pot plant growers. Tr. pkt., **\$1.00**; 6 pkts., **\$5.00**.

GLOXINIA, Continued

Formula Mixture. Made up of choice named separate color varieties. Do not confuse this with cheap seed mixtures grown as such. Also available in straight colors at same price. Tr. pkt., **\$1.00**; 6 pkts., **\$5.00**.

GODETIA

45,000 S. Should be grown in flats or shallow benches for greenhouse culture. Handle about like *Clarkia*.

UPRIGHT SINGLE. This class is especially attractive and much grown for greenhouse cut flowers.

● **Duke of York**. Bright carmine and white.

● **Kelvedon Glory**. Rich apricot.

● **Purity**. A clear white.

Mixed.

Prices above 4, each: tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

TALL DOUBLE GRANDIFLORA.

Mixture of colors in the Tall Double class. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c**.

DWARF DOUBLE AZALEA-FLOWERED.

Sybil Sherwood. 18 in. Bright salmon-pink, edged white. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

GOMPHRENA (Globe Amaranth)

5500 S. An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.

GLOBOSA. Round, ball-shaped flowers.

Rubra. 30 in. Magenta-purple. A bright deep shade.

Mixture of colors.

Prices above 2, each: tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

● **Buddy**. Fairly dwarf plants with small ball-shaped flowers of bright reddish purple. This is the true dwarf strain. Fine for bedding, pot plants or combination boxes. Better have some of this. Tr. pkt., **30c**; ¼ oz., **65c**; 1 oz., **\$2.00**.

GOURDS, ORNAMENTAL

SMALL VARIETIES. 450 S. All are easily grown and, when properly dried and varnished, last indefinitely.

● **La Montagne Strain**. The finest selected strain of mixed Gourds we have tried. We handle originator's seed. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

Spoon. More or less spoon-shaped. Orange and white striped.

Warted Types Mixed. Not over 4 in. in diameter.

Prices above 2, each: tr. pkt., **15c**; 1 oz., **50c**.

GRASSES, ORNAMENTAL

Briza Maxima (Quaking Grass). Graceful panicles which tremble in the slightest breeze. 18 inches. Tr. pkt., **25c**; 1 oz., **\$1.00**.

Coix Lachrymae (Job's Tears). 3 to 4 ft. tall with hard, shiny beads up to 1 inch in diameter. Tr. pkt., **15c**; 1 oz., **30c**; 4 ozs., **\$1.00**; 1 lb., **\$3.00**.

Pennisetum Rueppelianum (Fountain Grass). 3 to 4 ft. tall with long, graceful purple sprays. Tr. pkt., **30c**; ¼ oz., **90c**; 1 oz., **\$2.70**.

Lawn Grass. See page 45.

GREVILLEA

Robusta (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in a temperature of 60° will make nice 5-in. pot specimens by fall. Because it holds its foliage well, it is being used with Poinsettias instead of Asparagus. Tr. pkt., **20c**; ¼ oz., **60c**; 1 oz., **\$1.80**.

MISCELLANEOUS ANNUALS—Continued

GYSOPHILA

ELEGANS (Baby's Breath). 24,000 S. Easily flowered in flats in the greenhouse or may be grown outdoors; requires about 3 months to bloom from sowing. Although the larger flowered varieties are attractive and fine, the smaller ones outlast them for bouquet work.

● **Covent Garden Market.** A very excellent strain with large and full-petaled flowers, about 75% of which have 6 to 8 petals. 1 oz., **25c**; 4 ozs., **75c**; 1 lb., **\$2.25**; 5 lbs., **\$8.50**.

New York Market. Similar to Covent Garden Market; uniform habit of growth. 1 oz., **35c**; 4 ozs., **90c**; 1 lb., **\$2.75**; 5 lbs., **\$11.00**.

● **Paris Market.** Smaller flowered than Covent Market. Holds up well. 1 oz., **25c**; 4 ozs., **70c**; 1 lb., **\$2.00**; 5 lbs., **\$8.00**.

Carminia. Small, ¼-in. pink flowers. Tr. pkt., **15c**; 1 oz., **\$1.20**; 4 ozs., **\$4.00**.

Crimson. Slightly darker than above. Tr. pkt., **15c**; 1 oz., **\$1.20**; 4 ozs., **\$4.00**.

Hardy Gypsophila. See page 54.

HELICHRYSUM

MONSTROSUM. 36,000 S. The most popular double Strawflower. Widely used for drying.

Violet Queen	Canary-Yellow	Silver Ball (White)
Golden Globe	Rose Queen	Fireball (Scarlet)
Formula Mixture		

Prices above 7, each: tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

HELIOTROPE

50,000 S.

● **Dwarf Regale Mixture.** 15 in. A fine, even strain with extra large, lavender-violet flower heads. Richly fragrant. Tr. pkt., **35c**; ¼ oz., **90c**; 1 oz., **\$3.25**.

Lemoine's Giant Mixture. 24 to 30 in. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

HELIANTHUS (Sunflower)

● **Sungold.** 650 S. Of uniform medium height (4 to 5 ft.) with practically 100% fully double, golden yellow Chrysanthemum-like flowers about 4 in. across. Sow outdoors in May for August blooming. Retail growers will find this a valuable summer cut flower. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**; 4 ozs., **\$2.50**; 1 lb., **\$7.50**.

HOLLYHOCK (Annual)

Indian Spring. 13,000 S. 4 to 5 ft. Starts to bloom 5 months from seed sowing and continues until frost. Semi-double light pink and rose flowers are borne mostly on central spike. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

Indian Summer. Contains a wide range of colors, with all the beauty of the perennial type. Blooms first season from seed. Tr. pkt., **35c**; ¼ oz., **\$1.00**.

HUNNEMANNIA

FUMARIAEFOLIA (Bush Escholtzia). 8000 S.

● **Sunlite.** Brilliant canary-yellow, semi-double. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.65**.

Single Yellow. Tr. pkt., **15c**; 1 oz., **60c**.

Hardy Iberis. See page 55.

KOCHIA (Summer Cypress)

Childsii. 45,000 S. 24 in. Stays a clean fresh green throughout the entire season. Very attractive dense bushes. Tr. pkt., **10c**; 1 oz., **25c**.



IMPATIENS SULTANI DWARF

IMPATIENS

One of our most valuable plants for bedding under shady conditions; also widely used for winter and spring pot plants.

Sultani Dwarf Bright Carmine. Compact and very free flowering.

Sultani Dwarf Mixture. Bright mixture of colors in this dwarf class.

Prices above 2, each: tr. pkt., **\$1.00**; ⅓ oz., **\$1.80**; ⅛ oz., **\$3.25**.

Sultani Hybrids Mixed. Ours is a choice imported strain.

Holsti Vermilion. Deep scarlet.

Holsti Hybrids Mixed. Blend of taller growing sorts.

Prices above 3, each: tr. pkt., **50c**; ⅛ oz., **\$1.00**; ⅓ oz., **\$1.80**.

KALANCHOE

No plant surpasses Kalanchoe for brilliance of scarlet-red color. While they flower normally in spring, they may be had in bloom for Christmas from a January sowing, if shaded for about 6 weeks starting late August.

● **Brilliant Star.** This new hybrid Kalanchoe makes a fine pot plant producing flowers 3 times the size of the common varieties and of a brighter fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 12 inches long which are suitable for cutting, especially if benched. Tr. pkt., **\$1.50**; ⅛ oz., **\$3.50**; ⅓ oz., **\$6.50**.

● **Tom Thumb.** A dwarf compact strain of this popular succulent. Produces perfectly rounded symmetrical plants literally covered with bright scarlet flowers. A January or February sowing will provide fine 4-in. specimens for next winter's sales. Tr. pkt., **\$1.25**; ⅓ oz., **\$5.00**; ⅛ oz., **\$9.00**.

Globulifera Coccinea. The original rather tall growing Kalanchoe. Should be handled the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., **60c**; ⅓ oz., **\$1.60**.

MISCELLANEOUS ANNUALS—Continued

LANTANA

1300 S. Very showy. One of the most satisfactory bedding subjects for areas where summer temperatures are excessive. Must be sown early and with bottom heat.

Dwarf Hybrids Mixed. 12 in. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**.

Tall Hybrids Mixed. 30 in. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**.

Larkspur. See page 21.

LAVATERA

Splendens, Loveliness. 45,000 S. Very attractive early flowering annual, with 2-in. Hollyhock-like single flowers of a deep salmon-rose shade. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

LEPTOSYNE

Stillmani. 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Golden Rosette. Double flowers of bright butter-yellow. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$1.80**.

LINARIA

MAROCCANA (Miniature Snapdragon).

Fairy Bouquet. 600,000 S. 10 in. Flowers very early and freely. Bright mixture of colors. Tr. pkt., **20c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

LINUM

Rubrum (Scarlet Flax). 2 ft. Flowers of bright red about 1 in. across. Tr. pkt., **15c**; 1 oz., **50c**; 4 ozs., **\$1.35**; 1 lb., **\$5.00**.

LOBELIA

700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelias are unsurpassed for bright blue and white edging, hanging and trailing work. All varieties come quite true.

COMPACTA. 6 in. Of dwarf compact habit.

● **Blue Gown.** Standard free flowering deep blue. Very fine.

Cambridge Blue. Very dwarf, restricted, light blue.

● **Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety.

● **Mrs. Clibran Imp.** Deep blue with contrasting white eye and light foliage.

Prima Donna. Rosy lavender; bronzy green foliage.

White Lady. Clear glistening white.

Prices above 6, each: tr. pkt., **25c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

Mixture of all colors in the compacta class. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

PENDULA. Of trailing or pendulous habit.

● **Hamburgia.** Deep blue with dark green foliage. Tr. pkt., **35c**; ⅛ oz., **85c**; ¼ oz., **\$1.50**.

Sapphire. Deep blue with white eye. Light green foliage. Tr. pkt., **35c**; ¼ oz., **\$1.00**.

Perennial Lobelia. See page 56.

LOVE APPLE

Orange Fruited (*Solanum Aculeatissimum*—New). 2 ft. Long, thorny branches of bright orange fruits about 1½ inches across. When dried makes colorful material for fall floral arrangements. Tr. pkt., **50c**; ½ oz., **\$1.50**.

Red Fruited (*Solanum Integrifolium*). 2½ ft. Similar to the above but slightly taller and not thorny, with 1½-inch red fruits. For fall bouquets and gardens. Tr. pkt., **50c**; ½ oz., **\$1.50**.

Christmas Cherry. See page 30.

Christmas Pepper. See page 40.

LUPINE

A good spring crop of the annual type can be flowered in 3-in. pots from a January sowing spaced close so as to flower one spike to a plant. We prefer the Giant Kings.

GIANT KING (Improved Hartwegi). 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegi.

● **Oxford Blue.** Standard rich deep blue.

Sky Blue

Heliotrope. A pleasing rosy purple shade.

White

Mixture of above colors.

Prices above 5, each: tr. pkt., **20c**; 1 oz., **80c**; 4 ozs., **\$2.65**; 1 lb., **\$8.00**.

Pixie Delight. (New.) 8 in. Early and free flowering with a complete range of Lupine colors. Uniformly dwarf, and a valuable border plant for localities where Lupines do well outside. Tr. pkt., **35c**; ¼ oz., **60c**; 1 oz., **\$1.80**.

Perennial Lupine. *Pollyphyllus*, see page 56.

Marigolds. See pages 8 and 9.

MARVEL OF PERU (*Mirabilis Jalapa*)

Dwarf Mixture. 325 S. A uniformly dwarf (18 to 20 in.) strain of old-fashioned "Four O'Clocks." Well adapted for bedding or border work and will do nicely under adverse growing conditions. Fine range of bright colors. Tr. pkt., **15c**; 1 oz., **40c**.

MESEMBRYANTHEMUM

Criniflorum (Livingstone Daisy). Spreading plants literally covered with 1-in. flowers in many attractive colors. Needs full sun. Tr. pkt., **40c**; ¼ oz., **\$1.20**; 1 oz., **\$3.60**.

MICROSPERMA

Golden Tassel. (New.) 9-in. plants, with foliage similar to that of a Chinese Primula, supporting upright-growing, trumpet-shaped flowers about 2 inches across. Color is a bright chrome-yellow. Tr. pkt., **50c**.

MIGNONETTE

27,000 S. May be sown in January for spring cutting; delightfully fragrant.

● **Ball Strain.** Earliest and whitest variety. ½ tr. pkt., **60c**; tr. pkt., **\$1.00**; ¼ oz., **\$1.75**.

MACHET. For summer bedding.

Golden Goliath.

Goliath Red.

Prices above 2, each: tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

MIMOSA

Pudica (Sensitive Plant). 4500 S. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**.

MIMULUS

(Monkey Flower) 400,000 S.

Moschatus (Musk Plant). 6-in. plants with fragrant yellow flowers. Tr. pkt., **35c**; ¼ oz., **\$1.20**.

Tigrinus. Mixture of large single flowers. Tr. pkt., **35c**; ½ oz., **\$1.00**.

MOONFLOWER (*Ipomoea Noctiflora*)

110 S. Large flowered white Moonflower.

Black-Seeded.

White-Seeded.

Prices above 2, each: tr. pkt., **15c**; 1 oz., **40c**; 4 ozs., **\$1.35**; 1 lb., **\$4.00**.

MORNING GLORY (Ipomoea)

These vines are easily grown and most varieties are profuse bloomers if grown in soil of low fertility and not over-watered.

- **Blue Star.** (New.) 650 S. A vigorous grower, similar in form and habit to Heavenly Blue. Large flowers are of clear, light blue with 5 mid-blue stripes radiating from near throat to petal tips. An unusual novelty color. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

- **Crimson Rambler.** Freely produced flowers are a bright crimson-red with white throat. A vigorous grower, but flowers are somewhat smaller than the following 2 varieties. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**.

- **Pearly Gates.** A fine clear white Morning Glory with slight cream shading to throat. Similar to the popular Heavenly Blue in habit but not quite as early flowering. Tr. pkt., **35c**; ¼ oz., **45c**; 1 oz., **\$1.40**; 4 ozs., **\$5.00**.

- **Heavenly Blue.** 650 S. Clark's Mammoth Early Free Flowering Strain. The popular bright blue shade that is a solid sheet of vivid color all summer. Can be forced into flower for spring sales in 3- or 4-in. pots from a sowing made 8 to 10 weeks previously. Tr. pkt., **20c**; 1 oz., **65c**; 4 ozs., **\$2.00**.

Cornell. A large flowered bright carnelian red with white edge. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

Scarlett O'Hara. 650 S. Brilliant carmine-red variety. Tr. pkt., **20c**; ¼ oz., **40c**; 1 oz., **\$1.00**.

MYOSOTIS (Forget-Me-Not)

- **Ball Early.** 44,000 S. Free flowering, spring blooming plants of this always popular bright blue flower can be had from a sowing made as late as January. Our early flowering strain should not be confused with the other types listed with the perennials. Tr. pkt., **35c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

Hardy Myosotis. See page 57.

NIEREMBERGIA PURPLE ROBE

(See description at right)



PANSY FELIX

This distinctive Pansy is really the "cat's whiskers"—hence the name "Felix", suggested by the prominent dark veining in every flower. Uniformly true to this type, with well ruffled flowers of good size carried on fairly dwarf plants. Colors are rich and unusual—including purple, apricot and wine shades together with pastel bronzes and smoky tones difficult to describe. Each flower is marked with the dark "whiskers" characteristic of this strain, and the over-all effect is indeed striking. We are exclusive distributors for this excellent Pansy. Tr. pkt., **\$1.00**; ⅛ oz., **\$3.00**; ¼ oz., **\$5.00**; 1 oz., **\$15.00**.

NASTURTIIUM

No retail grower should be without at least a small greenhouse planting of double Nasturtiums. Their richly colored, long-stemmed, fragrant flowers are valuable for cutting, and the dwarf type is well suited for combinations or window boxes.

DOUBLE GLEAM TYPE. 175 S. Of trailing or climbing habit. Vigorous growers; fine for cutting or window boxes.

- **Golden Gleam.** The original Gleam Nasturtium; golden yellow.
- **Scarlet Gleam.** Same as preceding but a brilliant scarlet.
- **Gleam Hybrids.** A brilliant mixture of all double varieties.

Prices above 3, each: 1 oz., **25c**; 4 ozs., **70c**; 1 lb., **\$2.40**.

DWARF DOUBLE TYPE. 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive dwarf compact, rounded growth. 12 to 15 in. high.

- **Golden Globe.** Same color as Golden Gleam.

Scarlet Gem. Brilliant scarlet.

Mixture of all colors in this dwarf class.

Prices above 3, each: 1 oz., **30c**; 4 ozs., **90c**; 1 lb., **\$2.75**.

SINGLE VARIETIES. 225 S.

Dwarf Mixture of all colors in the dwarf class.

California Giant Single Mixture of colors in the tall, trailing class.

Prices above 2, each: 1 oz., **20c**; 4 ozs., **65c**; 1 lb., **\$2.25**.

NIEREMBERGIA

- **Purple Robe.** 5500 seeds per ⅓ oz. A really first class bedding or edging plant. The 1 in., rich, bluish lilac flowers are lavishly produced on dwarf plants throughout the summer. Retains its brilliance without fading under strong sunlight. Tr. pkt., **50c**; ⅓ oz., **\$1.65**; ⅛ oz., **\$3.00**.

MISCELLANEOUS ANNUALS—Continued

NEMESIA (Strumosa Suttoni)

GRANDIFLORA. 90,000 S. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work.

Mixture of all colors in this tall class. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

NANA COMPACTA. Of more dwarf habit, 6 to 8 in.

Triumph Mixed. A very attractive mixture with a wide range of colors. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

NEMOPHILA

INSIGNIS (Baby Blue Eyes). 16,000 S.

Blue. Small brightly colored flowers are borne in profusion on 6-in. plants. Tr. pkt., 15c; 1 oz., 45c.

NICOTIANA (Flowering Tobacco)

275,000 S. Sweet scented and showy.

● **Suaveolens** (Orange Blossom). 18 in. A dwarf and compact small-flowered white. Tr. pkt., 25c; ¼ oz., 85c.

AFFINIS.

● **Crimson Bedder.** 15 in. Compact in growth and very free flowering. Deep crimson-red. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

White. 36 in. Tall and large flowered. Tr. pkt., 15c; 1 oz., 60c.

Hybrids Mixture. A hybrid mixture of many shades in the tall large flowered type. Tr. pkt., 15c; 1 oz., 60c.

● **Sensation Mixed.** (Daylight Strain.) 24 in. The flowers of these new Nicotiana hybrids have the unique feature of remaining open all day, even in brilliant sunshine. They have the same delightful evening scent as the older types, while the colors range from white through many shades of cream and pink to purple and deep crimson. Plants are bushy in habit, making them ideal for bedding. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

NIGELLA

Miss Jekyll (Love-in-a-Mist). 11,000 S. Cornflower-blue. Tr. pkt., 25c; 1 oz., \$1.00.

Mixture. Blue and white. Tr. pkt., 15c; 1 oz., 60c.

PANSIES

25,000 S. A January sowing of both Pansies and Violas will make nice flowering plants to sell out of flats or in made-up pans in late spring and early summer.

FOUR BEST

● **Ball Giant Mixture.** This is our finest and most popular bedding Pansy mixture. We blend this ourselves, using the best available strains of Swiss Giants, adding separate varieties to insure a good balance of colors. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

Maple Leaf Giants. An excellent, extra large flowered strain. Heavy growth with good stems. Tr. pkt., 60c; ½ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$9.00.

Roggli Giant Mixture. A choice Swiss bedding strain, predominating in rich red and bronze shades. We supply originator's imported seed. Tr. pkt., \$1.00; ½ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$18.00.

Steele's Jumbo Mixture. We handle the originator's seed of this popular American strain. Tr. pkt., \$1.00; ½ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$16.00.

PANSIES, Continued

America. An exceptionally free flowering mixture with medium sized blooms. Dwarf and extra early. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$9.00.

● **Ball Giant Mixture Dwarf Strain.** A fine Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

● **Ball Winter Flowering.** A tall growing winter cut-flower variety; at its best from a late summer sowing. Not for bedding. ½ tr. pkt., 60c; tr. pkt., \$1.00; ½ oz., \$2.50; ¼ oz., \$4.75.

● **Butterfly Hybrids.** Ruffled 2½-3-in. flowers, including unusual apricot, terra cotta and rosy orchid shades, are freely produced on vigorous plants. Originator's seed only. Tr. pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.50; ¼ oz., \$6.00; ½ oz., \$11.00; 1 oz., \$20.00.

● **Canadian Giants.** This selection from Maple Leaf Giants contains some of the largest flowers in Pansies. Tr. pkt., 90c; ½ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

● **Engelmann's Giant Mixture.** A large flowered and brightly colored strain, many being penciled or veined. Fairly compact growth. We offer originator's seed only. Tr. pkt., 75c; ¼ oz., \$3.75; 1 oz., \$12.00.

● **Felix.** (See cut opposite page). Many colors, all with vividly contrasting black-veined throats. Tr. pkt., \$1.00; ½ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$15.00.

Fluffy Ruffles. (New.) The medium sized flowers of this imported strain are attractively ruffled and frilled, and the color range is varied and appealing. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00.

Geneva Giants. A choice American selected strain of Swiss Giants. Tr. pkt., 75c; ¼ oz., \$2.75; 1 oz., \$9.00.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00.

Red Wing. (New.) Red and yellow petals, dark center. Originator's seed. Tr. pkt., \$1.75; ½ oz., \$3.00; ¼ oz., \$5.00.

Tigress. (New.) While the flowers of this European novelty are rather small they are produced in great abundance, and the effect is most unusual. Reds, yellows, orchids and purples in novel striped and blotched arrangements of at least 3 colors create a striking appearance. The so-called "faces" of most Pansies are almost completely lacking in this variety. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

SWISS GIANTS IN SEPARATE COLORS.

Alpenglow. Rich garnet-red.

Berna. Dark velvety blue.

● **Coronation Gold.** The finest clear yellow.

Delft Blue. Porcelain-blue; a much wanted and unusual color in Pansies. Good sized flowers.

Firebeacon. Brick-red.

Giant Orange. Light orange; similar in color to Viola Apricot.

● **Lake of Thun.** Large flowered blue with darker center.

Mt. Blanc. Best clear white in the large-flowered Swiss type.

Rhinegold. Large flowered yellow with dark center.

Prices above 9, each: tr. pkt., 75c; ½ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

● **Raspberry Rose.** Soft pink with contrasting velvety blotch in deeper tone. An entirely new color in Swiss Giant Pansies. Tr. pkt., \$1.00; ½ oz., \$2.25; ¼ oz., \$4.00; 1 oz., \$12.00.

Jet Black. (New.) 80% of the flowers are a true black throughout the spring, the purple undertone not becoming apparent until hot weather. Typical Swiss flower size. Tr. pkt., \$1.00; ½ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$18.00.

MISCELLANEOUS ANNUALS—Continued

PENTSTEMON (Beard Tongue)

Sensation Mixture. 55,000 S. 2 ft. Attractive bell-shaped flowers produced on good spikes in an exceptional range of colors. Much used for bedding or in borders. Can be treated as an annual or perennial. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

PEPPER, CHRISTMAS (Capsicum)

9,000 S. Sow April to June and carry along indoors for Christmas sales.

Ball Christmas Pepper. Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

● **Craig's Christmas Pepper.** Similar to Ball Christmas Pepper, but the plants are smaller leaved and rather flattened across the top with somewhat smaller fruit very freely produced well above the foliage. Fruit is first a clear even white, later turning a brilliant red. This fine strain is widely grown by many eastern pot plant growers. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$5.00**.

Cherry, Christmas. See page 30.

Love Apple. See page 37.

Petunias. See pages 2 to 7.

PHLOX DRUMMONDI

14,000 S. Annual Phlox are among our most showy bedding items and are more popular today than at any time in their past. Because they don't transplant well, seed should be sown direct in small pots or plant bands, or drilled outside.

GRANDIFLORA. 15 to 18 in. Fine, free flowering bedding and border material. Also nice for cutting.

● **Chamois Rose.** Light creamy pink with white center.

Coccinea. Crimson-red.

Isabellina. Light creamy yellow.

Lilac with white eye.

● **Rosea.** Medium rose-pink with dark center.

Violet. Try this with white or yellow.

● **White.** A clear, even white.

Prices above 7, each: tr. pkt., **35c**; $\frac{1}{4}$ oz., **80c**; 1 oz., **\$2.40**.

Special Mixture of all colors in this tall class. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.80**.

Cuspidata Mixture (Star of Quedlinburg). A mixture of star-shaped flowers. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.80**.

GRANDIFLORA GIGANTEA. Somewhat stronger in growth and larger flowered than the above.

● **Red Glory.** A bright red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose-pink with large white eye.

Salmon Glory. (See in color on page 42). Rich soft salmon-rose with white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Prices above 4, each: tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

NANA COMPACTA. 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

● **Fireball.** A real fiery crimson.

Sky Blue. Clear soft blue with white eye.

● **Snowball.** Good clear white.

Violet. An attractive, rich color.

Prices above 4, each: tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

Mixture of all colors in this dwarf class. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.80**.

PHLOX, Continued

Beauty Mixed. (New.) A compact and very free flowering strain with large blooms. Excellent for pot plants, combinations or bedding. Tr. pkt., **40c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

● **Cecily Mixed.** A very popular semi-dwarf mixture. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.80**.

Pinks. See Dianthus, pages 34 and 53.

PLUMBAGO

Capensis. (New.) 2000 S. $\frac{1}{2}$ -inch flowers of clear azure-blue are borne on terminal spikes. 100 seeds, **75c**; 1000 seeds, **\$6.80**.

POPPY

Pierrot (New). 12-18 in. A vivid scarlet-red with jet black petal markings, this strain is only medium in flower size, but is unusually free blooming. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.80**.

ICELAND (P. Nudicaule). 250,000 S. The standard type for spring greenhouse forcing. Sow either direct or in pots and transplant.

The Emperor. Brilliant orange. Good flower size and long stiff stems. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **85c**; 1 oz., **\$2.50**.

● **Sanford's Giants.** A fine standard hybrid strain. Brilliant color mixture. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **65c**; 1 oz., **\$2.25**.

SHIRLEY (P. Rhoeas). 70,000 S.

Sweet Briar. Deep rose-pink; fully double. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.00**.

Formula Mixture of all colors in the single Shirley class. Tr. pkt., **15c**; 1 oz., **50c**.

Double Mixed. Shirley Hybrids. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.80**.

Oriental Poppies. See page 57.

PORTULACA

280,000 S. Very excellent, easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Single Mixture. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **65c**; 1 oz., **\$2.25**.

● **Double Mixture.** Special mixture of brilliant colors. Produces 85 to 90% true double flowers. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.

Single Jewel. Extra large flowers of glowing crimson-rose. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.00**; $\frac{1}{4}$ oz., **\$1.80**.

PRIMULA MALACOIDES

12,000 seeds per $\frac{1}{32}$ oz. Seed may be sown from May until October for spring blooming in various sizes. Malacoides are easily grown after they get started, but they will not tolerate fertilized soil in the seed flat or early stages of growth.

No. 32 Glory of Riverside Imp. An excellent variety with beautiful salmon-rose flowers.

No. 41 White Giant. Pure white; large flowers and heavy stems.

No. 43 Brilliancy Imp. Flowers open lavender—turn to dark velvety red.

No. 51 Mrs. Erikson of Riverside. Large flowers of deep rose-red on compact plants of medium height.

No. 62 Ball Lavender. Bright orchid-lavender. An improved Rosea Superba.

No. 50 Mixture. Our own balanced formula mixture.

Prices above 6, each: tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

Fairy Jewels. Double pink. Tr. pkt. (1000 seeds), **\$1.50**; $\frac{1}{128}$ oz., **\$2.50**.

MISCELLANEOUS ANNUALS—Continued

PRIMULA OBCONICA

4000 seeds per $\frac{1}{32}$ oz. This brightly colored class excels all other Primulas in large flower size. Sow from January on for Christmas and later.

- **Fasbender's Red.** An outstandingly fine, extra large flowered deep crimson-red.
- **Better Days.** Bright carmine-red.
- **Mohnstein's Atrosanguinea.** Popular deep red.
- **Mueller's Berlin Rose** (Mueller's Rosea). Soft medium rose. Heavy compact plants and large flowers.
- **Lachsrosa.** Salmon-rose shades.
- **Coerulea.** Clear mid-blue. A choice strain.
- **White.** Rather tall growth.
- **Formula Mixture.** Carefully blended from above colors. Prices above 8, each: tr. pkt., **\$1.25**; $\frac{1}{64}$ oz., **\$2.25**; $\frac{1}{32}$ oz., **\$4.25**.
- **Wyaston Wonder.** A special selection of this famous English variety. Vigorous growing, large flowered bright crimson. Tr. pkt., **\$1.25**; $\frac{1}{64}$ oz., **\$3.00**; $\frac{1}{32}$ oz., **\$5.50**.

PRIMULA CHINENSIS (Chinese Primula)

A popular class with many retail growers. Very colorful and showy. Sow from March on for Christmas and later.

- **Kardinal.** Vivid, intense orange. Improves Dazzler in depth and brilliance. Tr. pkts. only, **\$1.50**.
- **Special Mixture.** A choice assortment of colors. Tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$3.60**.
- **Hardy Primulas.** See page 56.

QUEEN ANNE'S LACE FLOWER

36,000 S. 24 in. Large heads of white flowers in umbels, similar to *Didiscus*. Nice filler for basket work.

Tr. pkt., **20c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

RANUNCULUS

Giant Hybrids Mixed. Double flowers in shades of yellow, orange and red. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.00**; $\frac{1}{4}$ oz., **\$1.75**; 1 oz., **\$5.25**.

RICINUS (Castor Bean)

Very fast growing, tall, large-leaved plants. Good for tall hedges and windbreaks.

● **Crimson Spire.** 75 S. 8 ft. Bronzy red foliage with crimson stems and red fruit. 1 oz., **40c**; 4 ozs., **\$1.40**; 1 lb., **\$4.20**.

● **Zanzibariensis Mixed.** 25 S. 10 ft. Foliage all green. 1 oz., **20c**; 4 ozs., **60c**; 1 lb., **\$2.00**.

RUDBECKIA

85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange and brown shades.

- **Starlight.** The only Rudbeckia strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$3.00**.

SAINTPAULIA

● **Ionantha** (African Violet). Deep blue. Extra fine seed that requires care in germinating. Uniform moisture, a 60° temperature and protection from bright sun are necessary in growing good Saintpaulias. Tr. pkt., **\$1.50**.

● **Hybrida Mixed.** (New). An F₁ Hybrid "Prize Strain", giving new colors in blue, orchid, pink and white besides exceptional flower size. 300 seeds, **\$2.00**.

SALPIGLOSSIS

125,000 S. Salpiglossis furnishes the retail grower with good cutting material either from a January-February sowing indoors or a later one grown outdoors.

● **EMPEROR.** 30 in. The tall kind for cutting.

● **Mixture** of all colors. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **90c**.

● **DWARF GIANT FLOWERED.** 20 in. Fine for bedding and borders.

● **Mixture** of all colors in this dwarf class. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **40c**; 1 oz., **\$1.35**.

SALVIA

● **SPLENDENS** (Scarlet Sage). 8,000 S. This strikingly colorful brilliant scarlet annual is popular wherever bedding plants are grown. The following are listed according to their flowering dates—earliest first. In selecting varieties, keep in mind the fact that earliness is had at some cost in vigor, and the earlier varieties will not make as big a showing in the fall as the later ones like Bonfire or Splendens Tall, but will bloom over a longer season.

- **St. John's Fire.** The earliest and most dwarf variety available. About 12 in. high. Ours is an excellent strain. Tr. pkt., **85c**; $\frac{1}{8}$ oz., **\$1.50**; $\frac{1}{4}$ oz., **\$2.50**; $\frac{1}{2}$ oz., **\$4.50**; 1 oz., **\$8.00**.
- **Blaze of Fire.** The standard extra early strain. Closely follows St. John's Fire in flowering and is somewhat stronger and more robust in growth. 14 to 16 in. Tr. pkt., **85c**; $\frac{1}{4}$ oz., **\$2.00**; $\frac{1}{2}$ oz., **\$3.50**; 1 oz., **\$6.50**.
- **Firebrand** (Early Harbinger). 18 in. Between Blaze of Fire and America in earliness of flowering. Remains in full flower throughout the summer. Tr. pkt., **85c**; $\frac{1}{4}$ oz., **\$2.00**; $\frac{1}{2}$ oz., **\$3.50**; 1 oz., **\$6.50**.
- **America** (Globe of Fire). 20 in. This is our uniformly true and even stock of this fine variety. Follows Firebrand in flowering date. Tr. pkt., **60c**; $\frac{1}{4}$ oz., **\$1.75**; 1 oz., **\$5.25**.



SAINTPAULIA HYBRIDA MIXED

MISCELLANEOUS ANNUALS—Continued



SALVIA ST. JOHN'S FIRE
Earliest blooming of all Salvias; comes in bloom with most other annuals.

SALVIA, Continued

Rose Flame. (New.) Similar in height and flowering season to America, but with a coral-pink calyx surrounding the deeper rose petal tube. A promising deviation from the common scarlet-red of the Splendens class. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$6.00.

Bonfire. 26 in. Medium tall, very even. Tr. pkt., 60c; ¼ oz., \$1.35; 1 oz., \$5.00; 4 ozs., \$16.00.

Splendens Tall. 30 in. The original late flowering species. Tr. pkt., 40c; ¼ oz., \$1.25; 1 oz., \$4.00; 4 ozs., \$13.00.

FARINACEA (Blue Salvia). 24,000 S.

Blue Bedder. Medium blue in color and grows about 3 ft. tall with long stems for cutting. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

● **Royal Blue.** This is our own reselected strain grown especially for us from an entirely new selection. Color is a true deep blue. We highly recommend this. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.50.

SANVITALIA

Procumbens. 50,000 S. 4 to 5 in. Double creeping Zinnia. Small golden yellow flowers. Very fine, dwarf edging plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

SAPONARIA

VACCARIA. 5500 S. Gypsophila-like flowers.

Rose White

Prices above 2, each: 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$3.00.

Saponaria Ocyroides. See page 57.

SCABIOSA

4500 S. Pleasing colors and long stemmed, free flowering habit make annual Scabiosa a worth-while spring cut flower item when grown in a cool house. Sow directly in the open for summer cutting. No retail grower should be without some of this.

Ageratum Blue. Large-flowered azure-blue.

Fire King. Bright scarlet.

SCABIOSA, Continued

King of the Blacks. Deep rich maroon.

● **Loveliness.** Extra large flowered, deep salmon-pink.

Rosette. Deep rose suffused with salmon.

● **Shasta Improved.** Fine pure white.

Prices above 6, each: tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

● **Oxford Blue.** Somewhat darker than Ageratum Blue or Blue Moon. Extra large, fully double flowers on fine, long stems. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

● **Blue Moon.** Fine lavender-blue color with extra large fully double flowers and long, wiry stems. The standard market color. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

● **Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good cut flower colors. Use this mixture if you want only a small planting of Scabiosa for cutting. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

DWARF CLASS. For bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

● **Heavenly Blue.** Clear azure-blue. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

Peace. White. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

Tom Thumb Mixture. 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

Perennial Scabiosa. See page 57.

Schizanthus, Statice, etc. See page 44.



PHLOX SALMON GLORY
Large flowered and showy. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00. (See page 40).

MISCELLANEOUS ANNUALS—Continued

VERBENAS

10,000 S. These always popular and colorful plants are widely used for bedding, window boxes and combinations. Germination is not rapid, so should be sown in soil temperature of 65° to 70°. Once established, 48° nights suits them nicely, but be sure to pinch them early to avoid straggly growth.

GRANDIFLORA. Low growing (under 1 ft.) and spreading in habit, with large flowers. Has some cut flower value.

- **Beauty of Oxford Hybrids.** A very choice vigorous growing strain with extra large flowers. Colors range from clear rose-pink to deep rose-red, all with slight white eye.
- **Crimson Glow.** Extra rich crimson without eye.
- **Dannebrog.** A very attractive combination of bright scarlet with large white eye. Growth more compact than other Grandifloras.

Ellen Willmott. Extra large, salmon-rose; white eye.

Floradale Beauty. A vigorous grower with large flowers in shades of red and pink.

- **Lavender Glory.** Very fine, large flowered lavender with white eye. About 75% true to type; balance white and purple.

Luminosa. Deep salmon shaded pink with white eye.

Mayflower. Shades of salmon-rose.

- **Mounty.** A brilliant scarlet or cardinal-red with small light eye. Color deeper than Spectrum Red and stronger in growth.

- **Pure White.** Very even strain.

Rosea Stellata. Clear deep pink with white eye. Quite free flowering and a strong grower.

- **Royale.** Large flowered rich deep blue with creamy eye.

- **Spectrum Red.** Very bright rich scarlet with no eye. Lighter and brighter color than Crimson Glow.

Mixture of all colors in the Grandiflora class.

Prices above 14, each: tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.60**.

BUSH TYPE. 10 in. A very uniform semi-dwarf, but upright and vigorous type of growth. Flowers are carried above the foliage, adding much to the attractiveness of this new class.

- **Giant Salmon Queen.** Large flowered bright coral-salmon with creamy white eye.

- **Starlight.** Large flowers are a rich mid-blue with ivory-white eye. An excellent companion to Salmon Queen.

Prices above 2, each: tr. pkt., **50c**; ¼ oz., **\$1.20**; 1 oz., **\$3.60**.

Blue Sentinel. Bright blue with very little violet shading. Practically no eye. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

- **Snowball.** Fine, free flowering pure white. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.



**TITHONIA
TORCH**

See
description
at right.



VERBENAS

Finest Grandiflora strains. Top to bottom:

Beauty of Oxford Hybrids.

Pure White.

Royale.

Dannebrog.

VERBENAS, Continued

UPRIGHT TYPE. 12 in. Somewhat taller and even more upright than the above class. Stems are long enough for limited cut flower use.

Royal Bouquet. A mixture of all colors in this upright type. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

COMPACTA. 4 to 5 in. An extra dwarf type for border and pot work. Not suitable where summer heat is excessive.

Fireball. Bright, fiery scarlet, small flowers.

Mixture of all colors in this compact class.

Prices above 2, each: tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

MISCELLANEOUS VARIETIES.

Bonariensis. 90,000 S. 36 in. A long-stemmed Verbena with lavender-blue flower clusters. Foliage stays near the ground, making this type well suited to cut flower work. Very decorative garden plant. Germination slow. Tr. pkt., **35c**; ¼ oz., **70c**; ½ oz., **\$1.25**.

- **Venosa Lilacina.** 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously throughout our hot Mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.60**.

TITHONIA

2800 S.

Avalon Earliest. Extra early flowering with large blooms of brilliant reddish orange produced on long stems. Sow right outdoors in spring for summer use or in late summer for winter greenhouse flowering. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.60**.

Torch. (New—All-America Silver Medal Winner 1951). Single, bright orange-scarlet flowers with yellow discs are carried on bush-form plants. Outstanding points about this new Tithonia are its earliness, heat resistance, freedom of blooming and ease of culture—being handled the same as Zinnias. Makes a very satisfactory cut flower. Tr. pkt., **50c**; ¼ oz., **\$1.25**; ½ oz., **\$2.00**; 1 oz., **\$6.50**.

MISCELLANEOUS ANNUALS—Continued

SCHIZANTHUS

60,000 S. A January sowing will produce nice 3-in. plants for spring combinations. Sow September to November for larger pot plants and spring cut flowers.

● **Ball Giant Flowered.** Extra large flowers (often 2 inches in diameter) and unusually brilliant colors are the outstanding points about this strain. Nice for cutting or makes a choice pot plant if pinched. Tr. pkt., **75c**; $\frac{1}{8}$ oz., **\$2.00**; $\frac{1}{4}$ oz., **\$3.60**.

● **Ball Dwarf Mixture.** A distinctly dwarf growing strain with large compact heads of medium sized flowers. Makes an excellent pot plant. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.50**; $\frac{1}{4}$ oz., **\$2.50**.

Crimson Cardinal. (New.) Large flowers of deep rose-red with velvety crimson centers are produced in great profusion on plants of medium height. Very uniform and true to type. Makes a good cut flower and a striking pot plant if pinched. Imported seed: Tr. pkt., **75c**; $\frac{1}{8}$ oz., **\$2.00**; $\frac{1}{4}$ oz., **\$3.60**.

Ball Brilliant Blend. A carefully blended mixture of fairly tall growing varieties recommended for the grower who grows a limited number of plants and wants a complete mixture. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **75c**; $\frac{1}{4}$ oz., **\$1.25**.

Dr. Badger's Improved Hybrids. A brightly colored large-flowered strain of medium height. Suitable either for pots or cutting. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.15**.

● **Giant Blotched.** Bright colored rose and pink shades, with contrasting dark centers. Somewhat earlier than most strains and a good pot plant if well pinched. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.25**; $\frac{1}{4}$ oz., **\$2.25**.

Monarch Strain. An attractive mixture of bright golden rose colors. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.25**; $\frac{1}{4}$ oz., **\$2.25**.

Pansy-Flowered Mixture. Flowers, flat and full petaled, resembling small Pansy flowers. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **\$1.00**; $\frac{1}{4}$ oz., **\$1.80**.



STATICE LAVENDER QUEEN
An Attractive Clear Pastel Lavender

SHAMROCK

True Irish Shamrock. 38,000 S. Sow early January in Carnation house temperature (cooler after germination) for 2-inch St. Patrick's Day plants; use 3 or 4 seedlings per pot. Our seed is the true Trifolium (clover). Tr. pkt., **20c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.20**.

SMILAX

4000 S. Well-known greenhouse climber. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.25**.

Snapdragons. See pages 18, 19 and 20.

Snow-on-the-Mountain. See Euphorbia, page 34.

Solanum. See Cherries, Christmas, page 30; Peppers, Christmas, page 40; and Love Apple, page 37.

STATICE

SINUATA. 350 seed heads per oz. This attractive annual is largely grown outdoors for drying especially in southern localities, but a mid-winter sowing makes a nice late spring greenhouse crop.

● **Market Grower's Blue.** Fine even deep blue. Excellent stock. **Kampf's Tall Improved.** The standard long-stemmed blue.

● **Lavender Queen.** A very pleasing shade of pastel lavender. Fine color and good grower.

Rosea Superba. Market rose.

● **Snow Witch.** A clear white selection from the old Sinuata white.

Bonduelli Superba. 350 seed heads per oz. Similar in type to the Sinuatas but with large yellow flowers.

● **Superb Hybrids.** Contains a much more complete range of colors, from white through chamois, pink, rose, and light blue to deep blue, than has heretofore been possible. In addition most of the heads are larger and more compact.

Prices above 7, each: tr. pkt., **15c**; 1 oz., **45c**; 4 ozs., **\$1.60**; 1 lb., **\$4.80**.

Surowii (Russian or Rat-Tail Statice). 12,000 S. A very useful Statice for greenhouse forcing. Seed sown in January will produce fine artistically curved rose-pink "rat-tails" that work in splendidly with centerpieces, etc., in late spring. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **40c**; 1 oz., **\$1.35**.

Perennial Statice. See page 57.

Stocks. See page 16.

Strawflower. See *Acroclinium*, page 26, and *Helichrysum*, page 36.

STRAWBERRY

Harzland (Runnerless). 90,000 S. Small red fruits are carried on fairly compact runnerless plants. Sow seed outside in early spring and carry plants through summer in open, potting in fall for Thanksgiving and Christmas pot plants. Tr. pkt., **50c**; $\frac{1}{16}$ oz., **\$1.50**.

STREPTOCARPUS

● **Giant Flowered Mixture** (Cape Primrose). Our original stock of this winter flowering pot plant was grown by a European specialist; we are convinced no better is obtainable. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**.

Sunflower. See *Helianthus*, page 36.

Sweet Peas. See pages 14 and 15.

MISCELLANEOUS ANNUALS—Continued

THUNBERGIA

Alata (Black-Eyed Susan). 1100 S. Very fine, used as an annual climber or for hanging baskets, making a dense growth and producing an abundance of flowers in shades of yellow, buff and orange—with black centers. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 ozs., \$3.50.

● **Gibsoni**. Flowers of a solid, deep luminous orange are twice the size of Alata. Tr. pkt., 75c; ¼ oz., \$2.90.

Tithonia. See page 43.

Tobacco Plant. See Nicotiana, page 39.

TORENIA

375,000 S. Rich combination of deep blue with violet blotch on lip. Nice spring pot plant or outdoor bedding plant.

Fournieri Grandiflora. Standard variety.

Fournieri Compacta, Blue. A dwarf form of the above.

Fournieri Compacta, White. Dwarf white.

Prices above 3, each: tr. pkt., 35c; ⅛ oz., \$1.15; ¼ oz., \$2.00.

TRACHELIUM

Coeruleum (Throatwort). 28,000 seeds per ½ oz. 18 in. Small blue flowers in dense heads. Nice for cutting on a raised bench from a January sowing. Actually a perennial, but ordinarily grown as an annual. Tr. pkt., 35c; ⅛ oz., \$1.00.

Verbenas. See page 43.

VINCA

ROSEA (Periwinkle). 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have. Will stand an almost unbelievable amount of hot, dry weather. Sow early with bottom heat.

● **Twinkles**. Soft blush-pink with bright red eye.

● **Pink**. The standard medium pink.

Crimson. Slightly darker than above.

Alba Pura. Pure white.

Alba Oculata. White with red eye.

Mixture of above colors.

Prices above 6, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

Viola. See page 58.

VIRGINIAN STOCK

Compacta Mixture. 60,000 S. 8 in. Nice compact bedding plant in shades of lilac, red and white. Tr. pkt., 15c; 1 oz., 65c.



VENIDIUM

VENIDIUM

Ball Hybrids. 65,000 S. An interesting array of colors ranging from silvery white through buff and orange shades. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$3.75.

VISCARIA

Loyalty. Fairly dwarf, 8-10 in. plants producing a wealth of single blue flowers about 1 in. across. Does best where summers are not too hot. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

WALLFLOWER

Gold Standard. 14,000 S. Richly fragrant deep golden yellow flowers borne in spikes. In appearance and general habit Wallflowers resemble Stocks except that all of the plants of this strain produce fully double flowers. Sow in December and grow in shallow soil (flats are fine) spaced 4x4 in. for valuable spring cut flowers. This strain of Wallflower is imported—the finest available according to our greenhouse flowering trial. Tr. pkt., 60c; ¼ oz., \$2.00; 1 oz., \$6.00.

Perennial Wallflower. See Cheiranthus, page 52.

Zinnias. See pages 10 and 11.

Florist Formula LAWN GRASS SEED

We believe florists are the most critical seed buyers in the world. Whether you sell or grow, we know you want the very finest Lawn Grass Seed. That's why we are offering these special mixtures blended by ourselves for the florists' trade only. We use only heavy weight seed of grasses that produce a deep rooted, permanent turf of lasting beauty. Figure 1 lb. of seed to sow 200 sq. ft.

For **SUNNY LOCATIONS** or **SHADY LOCATIONS**. In ordering, please specify which mixture you want. Prices are the same for both mixtures and are net—no cash discount.

PACKED IN THE FOLLOWING SIZES—DELIVERY PREPAID

3 lbs.	\$3.30	10 lbs.	\$10.25	50 lbs.	\$50.00
5 lbs.	5.25	25 lbs.	25.00	100 lbs.	95.00

The dot (●) indicates varieties most dependably satisfactory in our experience and observation.

SPECIAL DEALER OFFER (F. O. B. WEST CHICAGO)

12 1-lb. packages	}	Total 55 lbs.
6 3-lb. packages		
5 5-lb. packages		

23 packages for \$44.50

Retail for \$60.50

BULK PRICES:

Freight Collect

10 to 300 lbs. 79c per lb.

Write for prices on 300 lbs. or more.

Vegetable Seeds for Florists

FOR FORCING

For easy reference we've marked the best vegetable varieties for greenhouse forcing with a dot (●). All are thoroughly tested.

BEANS

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Bountiful. Green bush	\$0.15	\$0.40	\$1.75	\$3.50
Golden Wax. Yellow bush .....	.15	.40	1.75	3.50
Kentucky Wonder. Green pole...	.15	.40	1.75	3.50
Stringless Green Pod .....	.15	.40	1.75	3.50
Top-Crop. New, green pencil-pod	.20	.50	2.25	4.50
Burpee's Bush Lima .....	.20	.50	2.25	4.50

CORN

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Golden Bantam	\$0.15	\$0.35	\$1.60	\$3.15
Golden Cross (Hybrid) .....	.20	.50	2.25	4.50
Stowell's Evergreen. White.....	.15	.35	1.60	3.15

PEAS

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Alderman. Tall .....	.15	.30	1.35	2.70
Thos. Laxton. Medium.....	.15	.30	1.35	2.70
Little Marvel. Dwarf.....	.15	.30	1.35	2.70

BEETS

(1 oz. for 60-foot row.) Sow when ground can be worked and make successive sowings until July. Space rows 18 inches. Broadcast seeds in Ball Bands for plant sale.

	1 oz.	4 ozs.	1 lb.
Crosby's Egyptian. (Original Strain.)...	\$0.15	\$0.50	\$1.50
Detroit Dark Red. (Improved Strain.)...	.15	.50	1.50
● Early Wonder Tall Top. Valuable for BEET GREENS as well as globular roots	.15	.50	1.50
● Extra Early Flat Egyptian. Earliest and best for forcing or home garden.....	.15	.50	1.50

BROCCOLI

(About 10,000 seeds per oz.) Sow in March. Space plants 36x24".



	1 oz.	4 ozs.	1 lb.
Green Sprouting Early. Valuable all-season "cut and come again" strain for home garden or market	\$0.40	\$1.30	\$3.90

BRUSSELS SPROUTS

(About 7000 seeds per oz.) Sow in March. Space 36x18".



	1 oz.	4 ozs.	1 lb.
Long Island Imp. 90 days. Stem closely set with 1½ in. round cabbage-like heads. 20" tall, good keeper.....	\$0.45	\$1.50	\$4.50



FOR PLANT SALES

Band-grown vegetables mean earlier crops. Use the banded plant cut as your guide to suitable varieties for growing in Plant Bands.

CABBAGE

(Danish Grown)

	1 oz.	4 ozs.	1 lb.
(About 7000 seeds per oz.) Sow in Feb.-March for the first crop and in June for a fall crop. Space earlies 24x18", late 36x20". Days indicated are from the date the plants are set out. Handling cabbage plants in plant bands will prevent premature heading.			

YELLOWS RESISTANT VARIETIES

	1 oz.	4 ozs.	1 lb.
Jersey Queen. 63 days. The resistant Jersey Wakefield. Heads are solid, conical.	\$0.40	\$1.30	\$4.20
Marion Market. Heads a little later and larger than Copenhagen Market.....	.50	1.60	4.80
Racine Market. 65 days. Large round heads of blue-green color. Slow-bolting	.60	2.00	6.00
Wisconsin All-Season. Good winter keeper; large flat hard heads.....	.50	1.60	4.80
Bugner. 100 days. Round heads; average 10 lbs., 8 inches diameter. Excellent...	.90	3.00	9.00
Wisconsin No. 8. Resistant Hollander ...	.60	2.00	6.00

STANDARD VARIETIES

	1 oz.	4 ozs.	1 lb.
Early Jersey Wakefield. Pointed heads. Plants small, allowing close planting...	.35	1.20	3.60
Golden Acre. Extra early. Round heads, short stem, 64 days. Uniform, firm, matures evenly .....	.45	1.50	4.50
Copenhagen Market. A very choice strain. Medium-sized heads; compact .....	.45	1.50	4.50
Charleston. (Large Wakefield.) Heart shaped, average weight 4-5 lbs.....	.35	1.20	3.60
Early Dwarf Flat Dutch. Heads nearly round, firm, fine flavor and high quality.	.35	1.20	3.60
Glory (Glory of Enkhuizen). Valuable for kraut. Average 6-8 lbs.....	.40	1.30	4.20
All Head Early. Good winter keeper. Deep heads, flat, firm, valuable for kraut. 77 days .....	.35	1.20	3.60
All Season. Best in hot, dry weather.....	.35	1.20	3.60
Late Flat Dutch. Good keeper, firm heads	.40	1.30	3.90
Danish Ballhead. Penn State Strain (Short Stem.) Best late variety, heads large, flat, solid; keeps until late spring. 105 days .....	.50	1.50	4.50

SAVOY and RED CABBAGE

	1 oz.	4 ozs.	1 lb.
Chieftain. 85 days. Heads medium large; flat and firm. Crimped leaves.....	.50	1.50	4.50
Mammoth Rock Red. Best red variety...	.50	1.50	4.50

Vegetable Seeds for Florists (Continued)

CELERIAC

1 oz. 4 ozs. 1 lb.



Large Smooth Prague. Turnip-rooted Celery. Excellent winter keeper. $\frac{1}{4}$ oz., 25c \$0.75 \$2.35 \$7.00

CHINESE CABBAGE

Michihli. 70 days. 20 in. tall. Surer heading and more uniform than the old Chihli. Crisp, tender and well balanced. A great improvement.75 2.50 7.50

CAULIFLOWER



(About 7000 seeds per oz.) We offer only genuine **Danish grown seed**, recognized as the world's finest. Sow in February or March for plant sale. To insure unchecked growth and sure heading, plants should be handled in plant bands or pots. Space 18x24 in. Days indicated are from date plants are set out.

Danish Giant Dry Weather. Select. 70 days.

Early Dwarf Erfurt. Select. 60 days.

● **Early Snowball "A."** 55 days. Standard early. Fine for greenhouse forcing, frame or outdoor culture.

Snowball "X." 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white.

Snowdrift. 65 days. Larger than Snowball; firm and well protected by inner leaves. Good for distant shipping.

Prices of above 5, each: tr. pkt., 40c; $\frac{1}{4}$ oz., 80c; 1 oz., \$2.40; 4 ozs., \$8.00; 1 lb., \$24.00.

CARROT

(1 oz. for 300-ft. row.) Sow as early as the ground can be worked and make successive plantings until Aug. 1st. Space rows 12 to 18".

1 oz. 4 ozs. 1 lb.

● **Amsterdam Forcing.** Roots reddish orange, 6 in., uniformly tapered. Best for forcing. About 2 weeks earlier than other varieties \$0.35 \$1.20 \$3.60

Chantenay Red Cored. Tapering20 .60 1.80

Danvers Half Long. Tapering20 .60 1.80

Hutchinson. Latest and largest variety... .20 .70 2.10

Morse's Bunching. (All-America Award) .20 .60 1.80

CELERY



(About 8000 plants per oz.). Sow in Feb. or March for plant sales. Cover seeds lightly. Space 6x28". Days indicated are from date of planting.

Golden Plume. Non-bolting. Select. 85 days. Desirable for home and market garden. $\frac{1}{2}$ oz., 50c90 3.00 9.00

Golden Yellow Self-Blanching. Dwarf. Standard market sort. $\frac{1}{2}$ oz., 50c90 3.00 9.00

Summer Pascal. 110 days. Uniform thick rounded stalks. Better than Giant Pascal. $\frac{1}{2}$ oz., 40c70 2.35 7.00

Utah or Salt Lake. No. 99. 125 days. Midseason, full hearted and compact. $\frac{1}{2}$ oz., 40c70 2.35 7.00

CHIVES



(Grass-Onion.) A perennial, quickly started from seed. Popular for flavoring and borders. $\frac{1}{4}$ oz., 30c... .90 3.00 9.00

CORN. See page 46.



CAULIFLOWER—Snowball "A."

CRESS

1 oz. 4 ozs. 1 lb.

Curled or Pepper Grass. Greenhouse catch crop. Ready in 40-60 days. Temp. 40-50° \$0.25 \$0.80 \$2.40

Water Cress. 75 days. Perennial water plant. Small, thick, pungent leaves. $\frac{1}{4}$ oz., 50c 1.50

CUCUMBER

(About 1000 seeds per oz.). 1 oz. for 80 hills or 200-ft. row. Distance between rows 3 to 6 ft.

Ball Early Hybrid. New, heavy yielder. F₁ Hybrid. Size similar to "Straight 8", color dark green. It is a white spined, slicing type, earlier than Burpee Hybrid and has some resistance to downy mildew and mosaic. $\frac{1}{4}$ oz., \$1.40; 1 oz., \$4.20; 4 ozs., \$12.50.

1 oz. 4 ozs. 1 lb.

● **A. & C.** 68 days. 8 to 9 in. Deep green. Does well on light soil. \$0.25 \$0.85 \$2.50

Chicago Pickling. 6 in. 60 days.25 .85 2.50

● **Davis Perfect.** Fine slicing variety. 9 in. .30 1.00 3.00

Imp. Long Green. Ideal slicer. 12 in.... .30 1.00 3.00

● **Longfellow.** 72 days. One of the main forcing varieties. 12 to 14 in. long.... .35 1.20 3.50

National Pickling. 50 days. Considered best for small pickles.25 .85 2.50

● **Seedless Supreme.** Best of the European forcing types. Forms 12-14 in. fruits without pollination and is seedless unless pollinated. Dark green, disease resistant, very prolific. For forcing only in high humidity at 75-85° temperature. Further cultural notes in U.S.D.A. Bulletin No. 1320 (5c). 100 seeds, \$1.00; 1000 seeds, \$9.00.

Small Gherkin. 2 in. long; very prolific.. .30 1.00 3.00

Straight 8. Deep green; ideal shipper... .30 1.00 3.00

Vegetable Seeds for Florists (Continued)

EGGPLANT



(About 6000 seeds per oz.). Sow in February or March for plant sales. Space plants 18x24 in.

	1 oz.	4 ozs.	1 lb.
Black Beauty. Popular market variety. Dark purple. Broad, egg-shaped.	\$0.60	\$2.00	\$6.00
Fort Meyers Market. Oval fruits carried well above ground. Quite resistant to disease and excessive heat. ½ oz., 45c.	.80	2.70	8.00
New Hampshire Early. Medium sized, oval fruits bred for northern climate. Prolific	.85	2.85	8.50

ENDIVE

(1 oz. for 100-ft. row.) Sow in April or June-July for fall crop which may be kept for several months if taken up with soil before killing frost, packed closely and stored in basement.

Full Heart Batavian (Escarolle).....	.20	.60	2.00
Deep Heart Fringed. Upright growth....	.20	.60	2.00

POPULAR HERBS



Collection boxes of banded and assorted plants have proved a very popular spring seller. Of medicinal and high flavoring value as well as decorative appearance. Each packet will make at least 250 plants. Leaflet describing each variety with collection offer.

Anise—Basil—Borage—Coriander—Dill—Fennel
—Sweet Marjoram—Sage—Savory—Thyme.

Prices above 10, each: Tr. pkt., 15c.

Collection one each of above 10 varieties, \$1.00.

KALE

(About 7000 seeds per oz.)

	1 oz.	4 ozs.	1 lb.
Dwarf Green Curled. Very hardy.....	\$0.25	\$0.75	\$2.40
Tall Green Curled Scotch. 30 in. tall....	.25	.75	2.40

KOHLRABI

(About 7000 seeds per oz.)

● Early White Vienna. Standard sort for forcing and home garden.	.30	1.00	3.00
Early Purple Vienna.....	.30	1.00	3.00

LETTUCE



(15,000 seeds per oz., ¼ oz. for 100-ft. row.) There is a premium on lettuce PLANTS. They are readily transplanted in plant bands and heading varieties will make large solid heads, if set out early, even before late frost is over. Sow March 15 or 4 weeks before setting out plants. Space 14x18 in.

FORCING VARIETIES

Approximate growing time 60-90 days. Temperature 50°. Transplant. Sow any time.

● Grand Rapids Forcing. Mildew-resistant. The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early.....	.25	.80	2.40
● Bibb Forcing. Butterhead type of finest flavor and well adapted to greenhouse culture. Demands even temperature, more so than Grand Rapids.....	.30	1.00	3.00

LETTUCE, Continued

STANDARD VARIETIES

	1 oz.	4 ozs.	1 lb.
Big Boston. HEADING; used for spring and fall hotbed and cold frame culture.	\$0.20	\$0.70	\$2.10
Black-Seeded Simpson. LOOSE-LEAVED	.20	.70	2.00
Great Lakes. New outstanding HEAD lettuce; slow to bolt. "All America" winner	.50	1.70	5.10
Imperial No. 44. Sure HEADING Iceberg type. Recommended for plant sales	.35	1.15	3.40
New York No. 12. Early sure HEADING Iceberg type. Does well in midsummer.	.35	1.15	3.40
May King. Earliest of the Butterheads. Valuable for forcing outdoors or frames	.20	.70	2.00
Oak Leaf. Rather indefinite HEADS; medium sized. Leaves deeply lobed.....	.35	1.15	3.40
Cos or Romaine. "White Paris." Self-folding, oblong heads for forcing and outdoor culture.....	.25	.85	2.50

LEEK



(About 9000 seeds per oz.) More delicately flavored than the mildest onion. Has a decided sweet flavor. Cooked and served like asparagus. Grow for plant sale like onions. Stores well; extremely hardy.

Elephant. 150 days. 8-in. stems. Best strain of this fine "asparagus onion"...	.45	1.50	4.50
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MUSKMELON



(1000 seeds per oz.)

Honey-Dew. MILDEW-RESISTANT.....	.30	.90	2.70
Honey Rock. 85 days. Flesh orange, sweet and of finest flavor. Good shipper.....	.30	.90	2.70
Iroquois. 90 days. Resistant Bender type. Orange flesh.....	.30	.90	2.70
Pride of Wisconsin. 86 days. Thick, orange-fleshed, popular.....	.30	.90	2.70
Resistant No. 45 or Hale's Best. 90 days. Flesh thick salmon. Resistant to mildew	.30	.90	2.70

WATERMELON

Harris Earliest. 80 days. Fruits oval....	.20	.70	2.10
Wonder. (Improved Kleckley's Sweet)...	.20	.70	2.10
New Hampshire Midget. (New.) Early. . .	.30	1.00	3.00

ONION

(About 9000 seeds per oz.)



	1 oz.	4 ozs.	1 lb.
Ebenezer. Early flat straw-colored, mild-flavored; used for sets.	\$0.35	\$1.20	\$3.60
Prizetaker (Valencia). Yellow, good keeper, flesh mild. ½ oz., 40c....	.70	2.30	6.90
Southport Red Globe. 110 days. Splendid keeper. Best red variety. ½ oz., 30c..	.50	1.60	4.80
Riverside—Yellow Sweet Spanish. Globe-shaped, keeping extra well for soft type. Midseason. ½ oz., 40c.....	.70	2.30	6.90
Yellow Globe Danvers. Firm and hard; excellent keeper. ½ oz., 25c.....	.40	1.30	3.90
Yellow Bermuda (White Bermuda). Standard early. Flat, straw colored. ½ oz., 40c.....	.70	2.30	6.90

Vegetable Seeds for Florists (Continued)

PARSLEY



($\frac{1}{4}$ oz. per 100-ft. row.) Roots are transplanted from outside to 4-in. pots or ground bed in cool house, or sow directly, 8x8 in.

	1 oz.	4 ozs.	1 lb.
● Extra Triple Curled. 75 days. Closely curled, very compact and productive. . . .	\$.15	\$.50	\$ 1.50
● Paramount. 90 days. The most dwarf and curled Parsley. Uniform dark green . . .	.15	.50	1.50

PARSNIP

($1\frac{1}{2}$ oz. per 100-ft. row.) Sow early, space rows 18 in. Roots hardy.

Short, Thick. 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor . . . . .	.15	.50	1.50
Smooth White. 130 days. Evenly tapered—whiter than "Hollow Crown" . . . . .	.15	.50	1.50
PEAS. See page 46.			

PEPPER



About 3000 seeds per oz.). Sow 6 weeks before outdoor planting. Germinate seeds warm. Space plants 16x24 in. Days indicated are from date plants are set out.

Avalon. Sweet button-shaped fruits about 2 in. across; red flesh. $\frac{1}{2}$ oz., 85c . . .	1.50		
California Wonder Select. (Sweet.) 72 days. Standard of excellence in Sweet Peppers. Extra thick walls. $\frac{1}{2}$ oz., 40c . . .	.70	2.40	7.00
Chinese Giant. (Sweet.) 80 days. The largest Sweet Pepper. $\frac{1}{2}$ oz., 35c . . .	.60	2.00	6.00
Golden Wonder. Golden fleshed California Wonder type. $\frac{1}{2}$ oz., 85c	1.50	5.00	
Harris' Early Giant. (Sweet.) 63 days. Well suited to northern states. $\frac{1}{2}$ oz., 35c . . . . .	.65	2.20	6.50
Hungarian Yellow Wax. (Hot.) Very early. Plants small, productive. $\frac{1}{2}$ oz., 40c . . . . .	.75	2.50	7.50
Large Bell or Bull Nose. (Hot.) 65 days. Ribs pungent, otherwise mild. $\frac{1}{2}$ oz., 40c . . . . .	.70	2.40	7.00
Large Cherry. (Hot.) $\frac{1}{2}$ oz., 40c . . . . .	.70	2.40	
Long Red Cayenne. (Hot.) 70 days. For pickles, canning or drying. $\frac{1}{2}$ oz., 35c . . .	.60	2.00	6.00
Oakview Wonder. (Sweet.) 65 days. (Early California Wonder.) $\frac{1}{2}$ oz., 40c . . .	.75	2.50	7.50
Pimento. (Perfection.) Sweet. 72 days. Fruits smooth, conical. $\frac{1}{2}$ oz., 30c . . . .	.45	1.50	4.50
Red Chili. Numerous 2-2 $\frac{1}{2}$ in. long fruits. Borne upright. Very pungent. $\frac{1}{2}$ oz., 35c . . . . .	.65	2.20	6.50
Ruby King. (Sweet.) 68 days. Very productive. $\frac{1}{2}$ oz., 35c . . . . .	.65	2.20	6.50
Sunnybrook. Sweet, tomato-shaped fruits. Turns scarlet-red earlier than most other peppers. 73 days. $\frac{1}{2}$ oz., 35c . . . . .	.60	2.00	6.00
Sweet Bull Nose. (Sweet Mountain.) Mild-fleshed. 65 days. $\frac{1}{2}$ oz., 35c . . . . .	.65	2.20	6.50
World Beater. (Sweet.) 70 days. Large, oblong green, thick flesh. $\frac{1}{2}$ oz., 35c . . .	.60	2.00	6.00

PUMPKIN

	1 oz.	4 ozs.	1 lb.
Small Sugar Pie. Early orange.	\$.15	\$.50	\$ 1.50

RADISH

(1 oz. for 100-ft. row.)

● Cavalier. Short topped, deep scarlet. Choice for forcing. 10 lbs., \$12.60 . . . . .	.15	.45	1.40
● Early Scarlet Globe. (Short Top.) Our strain of this very early forcing variety is a superior one. 23 days. An ideal florists' "catch crop." 10 lbs., \$12.60 . . .	.15	.45	1.40
● Iceberg. (Short Top.) 27 days. Best white for outdoors and forcing. 10 lbs., \$10.8015	.40	1.20

RUTABAGA

American Purple Top15	.30	.80
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SPINACH

(1 oz. for 100-ft. row.)

Giant Thick-Leaved. (Nobel.) 45 days. . .	.15	.30	.80
King of Denmark. 48 days.15	.30	.80
Savoy-Leaved or Bloomsdale. 40 days. . .	.15	.30	.80
● New Zealand (Tetragonia). Picked throughout the summer. Suitable for greenhouse forcing in 50-60° temperature . . .	.15	.40	1.20

SQUASH

(About 380 seeds per oz.)

Acorn (Improved Royal). 60 days. Winter squash. . . . .	.20	.65	1.90
Buttercup. 100 days. Winter squash. . . .	.20	.75	2.20
Butternut. 100 days. Winter squash . . . .	.40	1.25	3.75
Early Prolific Straightneck. 50 days. Summer squash. Edible when 4 to 14 in. . .	.15	.50	1.50
Hubbard. True. Green winter squash. . . .	.20	.65	2.00
Uconn. (All-America Gold Medal, 1950.) A new, bush type Acorn Squash requiring little space; very prolific. Young fruits may be used in summer; mature fruits as a winter squash. . . . .	.30	1.00	3.00

SWISS CHARD

(1 oz. for 100-ft. row.)

● Lucullus. Deep green crumpled leaves. For forcing sow directly or transplant field-grown roots. Cool house temp. Pick leaves15	.50	1.50
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TOMATO



(About 7000 seeds per oz.) We offer only the highest quality tomato seed from specialist growers. Sow seed 6 to 8 weeks before time to plant out. Days indicated are from date plants are set out.

SPECIAL FORCING VARIETIES

Ball Extra Early. An **F₁** Hybrid earlier than Earliana. Large, red fruits, extremely smooth. It is semi-determinate. Bred for highest quality fruit, yield and earliness. $\frac{1}{16}$ oz., **\$2.50**; $\frac{1}{4}$ oz., **\$8.75**; 1 oz., **\$30.00**.

Vegetable Seeds for Florists (Continued)



Our extra select Master Marglobe.

TOMATOES, Continued

- **Waltham Forcing.** The ideal forcing tomato. Even sized, 4-oz. scarlet fruits, firm, good shippers and do not crack. Plants take little room; may be grown in old buckets. Flowers self-pollinating. Early and heavy yielder. This variety also fine for outdoor trellis. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.
- **Michigan State Forcing.** Wilt resistant. Distinct greenhouse tomato developed at Michigan State College. Rich, deep scarlet fruits, average 5-6 ozs., globular, in large clusters. Highly self-pollinating but responds well to daily tapping of flower clusters. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.
- Globe "A."** Pink fruits, a little larger than regular Globe. Developed by Ohio State Experiment Station. Ships well. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.
- Marhio or Marvelous.** Pink fruit, wilt resistant and almost free from cracks. Vigorous grower requiring high temperature and particularly fine for fall forcing. Extra select stock. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.

STANDARD VARIETIES

	1 oz.	4 ozs.	1 lb.
● Bonny Best. Unexcelled for all purposes. Smooth and firm. 73 days	\$0.60	\$2.00	\$5.90
Break O' Day. Early WILT-RESISTANT, globe shaped. Heavy producer, flesh firm	.60	2.00	6.00
Chalk's Early Jewel. 75 days. Heavy producer, scarlet-red, smooth and firm	.50	1.70	5.00
Crimson Cushion or Beefsteak. Large, flat, bright scarlet; solid, very prolific	.80	2.70	8.00
Dwarf Champion. Treelike. Requires no support; medium size, solid pink fruit.	.70	2.35	7.00
Dwarf Stone. 81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid.	.60	2.00	6.00
Earliana. Medium size, deep scarlet, firm and smooth. 64 days. Fine early variety	.70	2.35	7.00

TOMATOES, Continued

	1 oz.	4 ozs.	1 lb.
Early Detroit. Valuable for shipping. Pink, medium large, smooth fruit 78 days.	\$.60	\$2.00	\$6.00
Firesteel. 70 days. Deep red, sure setting. Best under drought conditions.	.70	2.35	7.00
Garden State. 84 days. Smooth scarlet-red; similar to Greater Baltimore. ½ oz., 50c	.90	3.00	9.00
Giant Tree or Potato Leaved. 90 days. Extra large pink fruits often weighing 1 lb. or more. Tr. pkt., 50c; ¼ oz., \$1.20	3.60	12.00	36.00
Globe. (Livingston's.) Heavy producer. Large purplish pink fruit; smooth and solid	.60	2.00	6.00
Golden Queen. 83 days. Large yellow fruit; firm and smooth, mild flavor.	.70	2.35	7.00
Greater Baltimore. Midseason. Earlier than Stone, heavy producer, deep scarlet	.50	1.70	5.00
Gulf State Market. Very fine second early, crimson, medium size, very solid.	.60	2.00	6.00
Italian Canner. Red plum shaped. Valuable for canning whole, paste and dehydration. ½ oz., 50c	.90	3.00	9.00
John Baer, Certified. Standard all-purpose variety, second early, medium size, red.	.60	2.00	6.20
June Pink. Earliest pink, early shipper.	.65	2.20	6.50
Jubilee. Orange; non-acid. All-America bronze medal winner. ½ oz., 50c	.90	3.00	
● Master Marglobe, Certified. Valuable for shipping and HIGHLY RESISTANT. 75 days. Extra select stock. ½ oz., 45c	.80	2.70	8.00
Marglobe. Regular stock	.60	2.00	6.00
Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. ½ oz., 60c	1.10	3.70	11.00
Pan America. 75 days. U.S.D.A. introduction. Extremely wilt resistant. Scarlet	.65	2.20	6.50
Penn State Earliana. Extra early, red, large, smooth, mild and solid.	.75	2.50	7.50
Ponderosa. Extremely large; purplish pink, few seeds, mild flavor. 85 days	.85	2.85	8.50
Pritchard (Scarlet Topper). Fine all-around variety, heavy yielder; second early; WILT-RESISTANT	.65	2.20	6.50
Rutgers, Certified. Red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil	.65	2.20	6.50
Stokesdale, Certified. 75 days. Red, globular; fine canning variety.	.65	2.20	6.50
Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet.	.65	2.20	6.50
Valiant. 70 days. Globe shaped large, smooth red fruits.	.90	3.00	9.00
Victor. 65 days. Extra early. Scarlet. Determinate vine, takes little room. ½ oz., 50c	.65	2.20	6.50
Wisconsin No. 55. Red, early, and fine shipper. Large fruits with no shoulder cracks	.75	2.50	7.50
Red Cherry Yellow Plum Yellow Pear Yellow Husk or Ground Cherry	} Small fruited, for pickles, salads or preserves .75 2.50		

TURNIP

Purple-Top, White Globe	.15	.30	.80
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Miscellaneous Perennials

We recommend sowing perennials in spring. Germination will be better than during the heat of midsummer and the larger plants produced will winter over more satisfactorily. In addition, if sowing is done in January or early February, quite a few will bloom the first season.

We feel that every grower should include at least a few perennials in his outdoor planting. They get along admirably with little care, and many make really profitable cut flowers.

ACHILLEA

- **Filipendula, Parker's Variety** (Cloth of Gold). 22,000 S. Large heads of golden yellow flowers on long stems; fine for cutting. Tr. pkt., **25c**; $\frac{1}{8}$ oz., **65c**; $\frac{1}{4}$ oz., **\$1.20**.
- **The Pearl** (Ptarmica). 175,000 S. 30 in. The standard double white for cutting. Tr. pkt., **25c**; $\frac{1}{8}$ oz., **65c**; $\frac{1}{4}$ oz., **\$1.20**.

ACONITUM (Monks Hood)

- **Napellus**. Dark blue; does best in partial shade. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**.

ALSTROEMERIA

- **Chilensis**. Very showy flowers in shades of pink, rose and red. Medium tall. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$4.50**.

ALYSSUM

The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

- **Saxatile Compactum** (Gold Dust). 30,000 S. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.
- **Saxatile Silver Queen** (Sulphureum). 30,000 S. Same as above but a light lemon-yellow. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **65c**; 1 oz., **\$2.25**.

ANCHUSA

- **Dropmore Strain**. (Italica.) 1100 S. 5 ft. Nice blue for cutting. Tr. pkt., **15c**; 1 oz., **60c**.
- **Myosotidiflora**. 10,500 S. 12 in. May flowering Forget-Me-Not blue. Seed should be placed in refrigerator for 72 hours before sowing. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.25**; $\frac{1}{4}$ oz., **\$2.25**; 1 oz., **\$8.00**.

ANEMONE

- **St. Brigid Mixed**. Choice long-stemmed mixture of brilliant colors. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

ANTHEMIS

- **Kelwayi** (Hardy Marguerite). 85,000 S. 3 ft. Yellow Daisy flowers produced throughout the summer. Tr. pkt., **15c**; 1 oz., **65c**.

AQUILEGIA (Columbine)

15,500 S. Though not well adapted for shipping, well grown Columbines are of definite cut-flower value for retail growers. Not at all difficult to force either. Pot up from the field the first year plants, storing in a cold house or frame until about February 1. Start in a low temperature, gradually increasing to around 50°.

- **Alpina**. 18 in. Mid-blue, shaded purple. Short spurs. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **85c**; 1 oz., **\$3.00**.
- **Coerulea** (Rocky Mountain Columbine). 18 in. Sky-blue with white corolla. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.
- **Copper Queen**. 2 ft. Copper-red shades with straw-yellow corolla. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.50**; $\frac{1}{4}$ oz., **\$2.75**.

AQUILEGIA, Continued

- **Crimson Star Hybrids**. 18 in. About 90% dark red with white corolla. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.50**; $\frac{1}{4}$ oz., **\$2.75**.
- **Longissima**. 2 ft. Delicate, pale yellow with extra long (4 in.) spurs. Tr. pkt., **50c**; $\frac{1}{16}$ oz., **\$2.50**; $\frac{1}{8}$ oz., **\$4.50**.
- **Longissima Hybrids**. 2 ft. A variety of attractive shades in this extra long-spurred class. Tr. pkt., **50c**; $\frac{1}{16}$ oz., **\$2.00**.
- **Mrs. Nicholls**. 2 ft. A large flowered, clear deep blue Columbine. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.25**; $\frac{1}{4}$ oz., **\$2.25**; 1 oz., **\$8.00**.
- **Mrs. Scott Elliott's Hybrids**. 2 ft. An excellent and popular long-spurred mixture. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.
- **Rose Queen**. 18 in. Rose with white corolla. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **70c**; 1 oz., **\$2.10**.
- **Snow Queen**. 2 ft. Pure white flowers. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.

- **Long Spurred Mixture**. A well-balanced blend with large flowers and long spurs. Based on our trial ground observations, this is the preferred mixture. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **85c**; 1 oz., **\$3.00**.

ARABIS (Rock Cress)

150,000 S.

- **Alpina Snowcap**. 6 in. Dwarf compact plants with dense masses of shining snow-white flowers. Blooms very early in spring. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.
- **Alpina**. 12 in. White. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **55c**; 1 oz., **\$1.80**.
- **Spring Charm** (Blepharophylla). Carmine-red. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.00**.

ARMERIA (Thrift)

- **Formosa, Large-Flowered Hybrids**. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **70c**; $\frac{1}{4}$ oz., **\$1.30**; 1 oz., **\$3.90**.
- **Alpina**. Dwarf, bright rose. Tr. pkt., **75c**.

- **Glory of Holland**. Ball-shaped deep pink flowers about 1½ inches in diameter and carried on straight wiry stems 2 feet long. Fine for cutting and blooms throughout the summer. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$2.00**.

- **Maritima** (Statice Armeria). 17,500 S. 12 in. Lilac-rose. Grasslike, evergreen foliage. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.50**.

ARTEMISIA

- **Lactiflora** (Silver Plume). Silvery foliage; creamy blooms. For cutting. Tr. pkt., **35c**; $\frac{1}{16}$ oz., **70c**; $\frac{1}{4}$ oz., **\$2.00**.

ASCLEPIAS

- **Tuberosa**. 4500 S. Fine orange for cutting. Requires well-drained location. Freezing over winter helps germination. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **85c**; 1 oz., **\$2.75**.

MISCELLANEOUS PERENNIALS—Continued

ASPARAGUS

Lace Veil (Pseudoscaber). Produces quantities of material as valuable as Asparagus Sprengeri. Hardy. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Verticillatus (Willow Spray). Completely hardy, summer green material. Finely cut foliage. Requires 3 years for best results. Tr. pkt., 50c; ½ oz., \$1.25; 1 oz., \$2.25.

ASTER

Hardy Large-Flowered Mixture. Perfectly hardy and attractive assortment. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00.

Alpinus, Finest Mixed. Lavender, blue and white flowers. Tr. pkt., 50c; ⅛ oz., \$1.00.

AUBRIETIA

Large-Flowered Hybrids (Monarch Strain). 150,000 S. 6 in. Low growing matlike plants; similar to Arabis but with flowers in a wide range of colors from lilac to purple. Tr. pkt., 50c; ⅛ oz., \$1.00.

Hendersoni. Deep purple. Tr. pkt., 50c; ⅛ oz., \$1.00.

Leichtlini. Carmine-rose. Tr. pkt., 50c; ⅛ oz., \$1.00.

Baby's Breath. See Gypsophila, pages 36 and 54; also Euphorbia Corollata, page 53.

BAPTISIA

Australis (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 25c; 1 oz., 75c.

BELLIS

PERENNIS (Monstrosa). This popular double English Daisy is much used for spring and early summer bedding. Though a perennial, it is commonly grown as an annual like Pansies.

Red **Rose** **White**

Prices above 3, each: tr. pkt., 50c; ⅛ oz., \$2.00; ¼ oz., \$3.50.

Mixture. Tr. pkt., 50c; ⅛ oz., \$1.80; ¼ oz., \$3.20.

BOCCONIA

Japonica (Plume Poppy). Huge spikes of creamy white flowers on 6-ft. plants. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

BOLTONIA

Latisquama. 95,000 S. 4 to 5 ft. Aster-like perennial with flowers of delicate pink about 1 in. across. Tr. pkt., 25c; ¼ oz., \$1.00; 1 oz., \$3.00.

BROOM

Hybrids Mixed. 5500 S. 4 to 5 ft. Vigorous, hardy shrubs in a range of bright colors including all shades of pink, orange, terra cotta and crimson. Flowers second season from seed. Tr. pkt., 40c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

CAMPANULA

CARPATICA. 350,000 S. 12 in. Perennial. Wide, upright cup-shaped flowers are borne on slender erect stems. Plants are leafy clumps.

Blue. Tr. pkt., 25c; ⅛ oz., 75c; ¼ oz., \$1.35.

● **Hybrid Mixture** (Cullinmore). Contains many new colors in this dwarf class. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.70.

MEDIUM CALYCANTHEMA. (Cup-and-Saucer Type.) 120,000 S. 3 ft. Biennial. Both this and the following (Medium Single) are easily forced for spring greenhouse flowering either as pot plants or for cutting.

Dark Blue **Light Blue** **Rose** **White** **Mixture**
Prices above 5, each: tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.

CAMPANULA, Continued

MEDIUM SINGLE (Canterbury Bells). 135,000 S. 3 ft. Biennial.
Dark Blue **Light Blue** **Pink** **White** **Mixture**
Prices above 5, each: tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

PERSICIFOLIA. 340,000 S. 30 in. Perennial. 1-in. bell-shaped flowers on stiffly erect stems. 15-in. spikes.

White **Blue** (Princess Royal) **Mixture**

Prices above 3, each: tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

Telham Beauty. 30 in. Large bells of China-blue. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

PYRAMIDALIS (Chimney Campanula). 250,000 S. 5 ft. Perennial.

Mixture. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

Perennial Candytuft. See Iberis, page 55.

CARNATION

GRENADIN (Hardy Carnation). 14,000 S. 20 in. Good for cutting.

King of the Blacks. Darkest red.

Golden Sun ● **Pink** ● **Red** **White** ● **Mixture**

Prices above 6, each: tr. pkt., 50c; ¼ oz., \$2.50; 1 oz., \$8.00.

Annual Carnations. See page 28.

CATANANCHE

Ccerulea. 16,000 S. 24 in. Nice everlasting for cutting, with light lavender-blue, Centaurea-like flowers produced freely first year from seed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

CENTAUREA

Montana. 1600 S. 24 in. Large cornflower-blue flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

Centaurea Cyanus. See page 29.

CERASTIUM

● **Tomentosum** (Snow-in-Summer). 42,000 S. 10 to 12 in. An excellent dwarf bedding perennial with silvery white foliage and small white flowers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

CHEIRANTHUS (Wallflower)

● **Golden Bedder**. 19,000 S. 18 in. Large, deep golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Allioni (Siberian Wallflower). 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., 10c; 1 oz., 35c.

Annual Wallflower. See page 45.

CHRYSANTHEMUM

● **Glory Mixture**. Our finest mixture of hardy Chrysanthemums with an exceedingly wide range of brilliant colors. Contains Korean and Arcticum Hybrids as well as Azalea-mums, Indicum and Morifoliums. Tr. pkt., 75c; ⅛ oz., \$2.20; ¼ oz., \$4.00.

Korean Hybrids. 60,000 S. Single and semi-double types in a good color range. Some of these bloom rather late for localities with early frost dates. Tr. pkt., \$1.00; ⅛ oz., \$2.00; ¼ oz., \$3.50.

CLEMATIS

Paniculata. 10,000 S. White-flowered climber. Tr. pkt., 70c; ⅛ oz., \$1.40; ¼ oz., \$2.50.

Recta, Mandschurica. 5000 S. Panicles of fragrant white flowers on 4- to 5-ft. plants. Tr. pkt., 70c; ⅛ oz., \$1.40; ¼ oz., \$2.50.

MISCELLANEOUS PERENNIALS—Continued



CARNATION GRENADIN MIXTURE
 See opposite page for list.

COREOPSIS

The long, graceful stems and rich, golden yellow color give this plant real value for cutting. We find it best treated as a biennial.

● **Sunburst** (New Gold). 11,000 S. 24 in. A fine semi-double strain, with 2-in. golden yellow flowers. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Mayfield Giant. 11,000 S. 30 in. Extra large deep golden yellow. Single. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.



**COREOPSIS
 SUNBURST**

A fine golden yellow semi-double.

DAISY, SHASTA (Chrysanthemum Maximum)

● **G. Marconi**. The largest flowered and finest double Shasta Daisy strain. Long-stemmed. **ORIGINATOR'S SEED:** tr. pkt., 50c; 6 tr. pkts., \$2.50. **REGULAR STOCK:** tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.75.

Double Fringed (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$4.00.

June Marguerite. 40,000 S. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

● **Mayfield Giant**. 21,000 S. Quite large flowered, end of June.

Alaska. 21,000 S. The standard Shasta Daisy. July.

Conqueror. 21,000 S. Giant late white. Late July.

Prices above 3, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Delphinium. See page 22.

DICENTRA

Spectabilis (Bleeding Heart). 6000 S. 32 in. Rosy red flowers. Tr. pkt., \$1.00; ⅛ oz., \$1.75; ¼ oz., \$3.25.

Eximia (Plumy Bleeding Heart). 16,000 S. Dwarf, 12 in. Rose-pink. Tr. pkt., 35c; ¼ oz., \$1.00.

DICTAMNUS

Fraxinella (Gas Plant.) 1700 S. 30 in. Pink with dark veins. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

DIGITALIS

GLOXINOIDES (Foxglove). 180,000 S. 4 ft. Biennial. This is an extra large flowered strain.

Purple **Rose** **White** **Giant Shirley Mixture**
Prices above 4, each: tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$2.00.

DORONICUM

Caucasicum, Magnificent. 18,000 S. 2 ft. Large yellow Gerbera-like flowers with long stems. Keeps well when cut. Tr. pkt., \$1.00.

ECHINOPS

Ritro (Globe Thistle). Metallic blue flower heads 1½ to 2 in. across are borne on 2- to 3-ft. plants. Can be dried for winter bouquets. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Edelweiss. See Leontopodium, page 55.

EUPHORBIA

Corollata (Wild Baby's Breath). 8700 S. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 35c; ⅛ oz., \$1.25; ¼ oz., \$2.00.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. 6-8 in. tall. Tr. pkt., 35c; ⅛ oz., \$1.00.

Polychroma. 15 to 18 in. Bushy plants with bracts of bright yellow changing to rosy bronze. Tr. pkt., 50c; ⅛ oz., \$1.35.

DIANTHUS

28,000 S. Easily grown from seed and flowers the second season from sowing. Germinates best in soil temperature of 65° to 75°.

Allwoodi Alpinus Mixed. (8 to 10 in.). 1½-in. single flowers in shades of pink. Early June. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50.

MISCELLANEOUS PERENNIALS—Continued



DIANTHUS DELTOIDES ERECTA
A profuse bloomer; very similar to "Creeping Phlox."

DIANTHUS, Continued

- Deltoides Erecta.** 6 in. June flowering. A dwarf red "Maiden Pink." Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.
- **Latifolius Atrococcineus.** 12 to 15 in. Miniature Rose-like flowers. Bright crimson. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$4.50.
- Loveliness.** Large, fringed and curled, light lavender flowers. Quite fragrant. Tr. pkt., 50c; 1/8 oz., \$1.25.
- Winteri.** Large single flowers in a rich mixture of pure colors are borne on compact 9-in. plants. Long blooming period. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$4.80.

PLUMARIUS (Clove Pink).

- Cyclops.** Deep rose with crimson ring. Tr. pkt., 35c; 1/4 oz., \$1.00.
- Double Mixture** (Scoticus Florist Strain). Various shades of pink, rose, salmon and white; some self colors, others with bright crimson zone. 1 1/2- to 2-in. flowers on 12- to 15-in. stems. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$4.50.
- Single Mixture.** 20 in. Free flowering, and sweet scented. Tr. pkt., 15c; 1/4 oz., 40c; 1 oz., \$1.35.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed. All of the following named varieties are single.

- **Holborn Glory.** Striking combination of crimson with white.
- **Newport Pink** (Pink Beauty). A particularly rich pastel salmon-rose shade. Very attractive.
- Purple Beauty.** A rich deep color.
- Scarlet Beauty.** Well named, intense scarlet-red.
- Giant White.** Ours is an extra large-flowered strain.
- Single Mixture.**
- **Double Mixture.**
Prices above 7, each: tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.40.
- **Single Midget Mixed.** Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.
- **Double Midget Mixed.** 6 to 8 in. Like above except flowers are double. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.
- Annual Dianthus.** See page 34.

FEVERFEW (Matricaria)

CAPENSIS. 145,000 S. 18 in. grown outside; 3 to 5 ft. when grown in greenhouse. Sowings made during January will provide a welcome cut the same summer.

- **Ball Double White Improved.** This strain has been carefully reselected for fully double flowers, and our own trials show it to be well over 90% true, double, imbricated blooms. Nearly all of the single and anemone types have been removed. Tr. pkt., 50c; 1/32 oz., \$1.00; 1/8 oz., \$3.60.

ALL-DOUBLE DWARF. 8 to 10 in. Uniformly dwarf and compact plants which are a solid mass of ball-shaped flowers slightly over 1/2-inch across. Very attractive for border work and makes an excellent pot plant.

- **Golden Nuggets.** Rich butter-yellow.
 - **Snow Puffs.** Pure white; very effective.
- Prices above 2, each: tr. pkt., 35c; 1/16 oz., 50c; 1/4 oz., \$1.80.

Foxglove. See Digitalis, page 53.

GAILLARDIA

GRANDIFLORA. 9500 S. The following strains, except Goblin, are excellent cut flower sorts.

- **Dazzler.** The standard fine cutting strain. Golden yellow with maroon center.
 - **Monarch Strain.** A superior mixture of large, full-petaled flowers in various red and yellow combinations.
- Prices above 2, each: tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.
- **Burgundy.** Deep shade of wine-red. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.
 - Portola Hybrids Mixed.** Large maroon-red flowers tipped with yellow. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.
 - Goblin.** Forms very attractive compact plants with red and yellow bicolored flowers. Quite free flowering. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.
 - Aurea Pura.** Pure yellow. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.
- Annual Gaillardia.** See page 35.
Gas Plant. See Dictamnus, page 53.

GEUM

7000 S. The following two provide nice cut flower material and are perfectly winter hardy with some protection.

- Lady Stratheden.** 24 in. Double golden yellow.
 - Mrs. Bradshaw.** 24 in. Double glowing red.
- Prices above 2, each: tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

GILIA

Coronopifolia (Standing Cypress). Heads of scarlet flowers on 5-ft. plants. Biennial. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

GYPSOPHILA

34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

- **Pacifica.** 42 in. Starry pink flowers in September and October. Tr. pkt., 25c; 1/4 oz., 80c; 1 oz., \$2.75.
- **Oldhamiana.** 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. October flowering—watch frost dates. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

MISCELLANEOUS PERENNIALS—Continued

GYPSOPHILA, Continued

PANICULATA. The regular white hardy Gypsophila. Note that double grafted varieties like Bristol Fairy are not available from seed.

● **Double Snow Flake.** 40 in. An improved double hardy Gypsophila. About 50% are double flowering plants. Tr. pkt., 35c; ¼ oz., \$1.35; 1 oz., \$4.50.

Single White. 40 in. Tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.35.

REPENS. 6 in. An attractive, hardy rock garden plant.

Rose. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$2.40.

Annual Gypsophila. See page 36.

HELIANTHEMUM

Mutabile (Sun Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant completely covered with blooms in mixed colors during July and August. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

HELLEBORUS

Niger (Christmas Rose). Attractive 2½-in. white flowers; basal foliage. Seed should be frozen before sowing. Tr. pkt., 35c; ½ oz., 75c; ¼ oz., \$1.35.

HESPERIS

MATRONALIS (Sweet Rocket). 15,000 S. Sweet-scented flowers on 3-ft. plants.

Violet

White

Prices above 2, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

HEUCHERA

SANGUINEA (Coral Bells). 750,000 S. 24 in.

Splendens. Crimson.

Hybrida Mixed. Shades of red through rose to white.

Prices above 2, each: tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.00.

HIBISCUS

Mallow Marvels Mixed. 4 ft. Ours is a very showy extra large-flowered strain. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.20.

HOLLYHOCK

Imperator Improved. 2700 S. Choice double crested "Tuberous Begonia-Flowered" mixture. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.80.

Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Triumph. Extra large, fully double flowers in unusual, delicate art shades. Most blooms are attractively fringed. May be handled as an annual—if sown indoors in February and transplanted to the open in spring, all plants will flower nicely the same summer. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.

CHATER'S DOUBLE. 3100 S. The standard double.

Chamois Deep Rose Lilac Beauty Newport Pink Scarlet Sulphur-Yellow White Mixture

Prices above 8, each: tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.

IBERIS (Hardy Candytuft)

11,500 S.

Gibraltarica. 12 in. Large-flowered lilac. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.40.

Sempervirens. 12 in. White flowers in late May. Seedlings flower second season. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.50.

Jucunda. 4 in. Pink flowers. Tr. pkt., 50c.

INCARVILLEA

Grandiflora Brevipes. 6000 S. Brilliant dark rose flowers. Tr. pkt., 50c; ¼ oz., \$1.00.

IRIS

Dichotoma (Vesper Iris). Assorted colors; fragrant. Tr. pkt., 30c; ¼ oz., 65c; 1 oz., \$2.00.

LATHYRUS

LATIFOLIUS (Hardy or Everlasting Sweet Pea). 500 S. Abundant source of short-stemmed flowers. 7 ft.

Pink Beauty

White Pearl

Red

Mixture

Prices above 4, each: tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LAVANDULA

32,000 S.

● **Munstead Strain.** 12 in. Freely produces large sweet-scented flowers a month earlier than the common Lavender. An improved Vera. Tr. pkt., 35c; ¼ oz., \$1.00.

LEONTOPODIUM

Alpinum (Edelweiss). 275,000 S. Attractive rock garden plant. Small greenish white leaves. Tr. pkt., 50c; ¼ oz., \$1.00; ½ oz., \$1.80.

LIATRIS (Gay Feather)

9500 S. Excellent cut flowers with long, decorative, bold spikes. All are easily grown.

● **Pycnostachya.** Extra long-stemmed—3 to 5 ft. with long, 15- to 18-inch flower spikes of rosy purple. Finest cut flower kind.

Scariosa Purple. 4 ft. Extra large individual flower heads of rosy purple are carried on long, loosely set spikes.

Spicata. Not quite so long-stemmed or with as long flower spikes as Pycnostachya; purple. Prefers a damp low location.

Prices above 3, each: tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

● **September Glory.** Tall growing with purple spikes.

Kobold. This Hybrid Liatris is non-branching, forming only one rich lilac-purple spike about 20 inches in length. Starts to flower at top.

Prices above 2, each: tr. pkt., 50c; ¼ oz., \$1.80; 1 oz., \$5.40.

LILIES

● **White Queen.** (Canadian hardy strain.) 8300 S. This is the largest and finest seed propagated Lily we know of. Produces a plentiful quantity of real quality flowers in 16-18 months from seed. Pure white. ½ tr. pkt., 60c; tr. pkt., \$1.00; ½ oz., \$2.50; ¼ oz., \$4.50.

Candidum (Madonna Lily). Tall pure white. Tr. pkt., \$1.00; ½ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

Formosanum, Giant Flowered. 8200 S. An improved form of Philippine Lily. White flowers. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50; 4 ozs., \$12.00.

Henryi. Orange, spotted brown. Seed should be frozen in flats for four weeks at about 30° for best germination. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Regale (Regal Lily). 6500 S. The large, showy flowers are pure white inside with yellow base; reverse of petals is tinged with pink. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

Rothschildiana. Crimson with yellow bands. Popular corsage flower. Tr. pkt., \$1.00; ½ oz., \$2.50; ¼ oz., \$4.50.

Tenuifolium (Coral Lily). Freely produces medium sized flowers of brilliant coral-red. 18 to 20 in. tall. May flowering. Tr. pkt., 35c; ¼ oz., 75c.

MISCELLANEOUS PERENNIALS—Continued

LINUM

Perenne (Perennial Flax). 8500 S. 2 ft. Attractive blue flowers on slender stems. Tr. pkt., 15c; 1 oz., 50c.

Flavum. Yellow. Tr. pkt., 25c; ¼ oz., 75c.

Collinum. Dwarf growing, light blue. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25.

LOBELIA

Cardinalis (Cardinal Flower). 725,000 S. 36 in. Bright cardinal-red. Tr. pkt., 35c; ¼ oz., \$1.20; 1 oz., \$3.60.

LUNARIA

BIENNIS (Honesty or Money Plant). 1500 S.

White **Mixture**
Prices above 2, each: tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.25.

LUPINE

POLYPHYLLUS (Hardy Lupine). Fine for cutting. Requires a well-drained location and thrives best in cool climate.

- **Russell Strain**. 1000 S. Long, closely set spikes of extra large florets in rich self colors and unusual bicolors. Developed by a famous English specialist. Reselected Stock (Originator's packets): 20 seeds, 30c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50. Regular seed: tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.00.

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.15.

Rose. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$1.80.

White. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

- **Harkness Regal Mixture**. The standard fine hybrid mixture. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

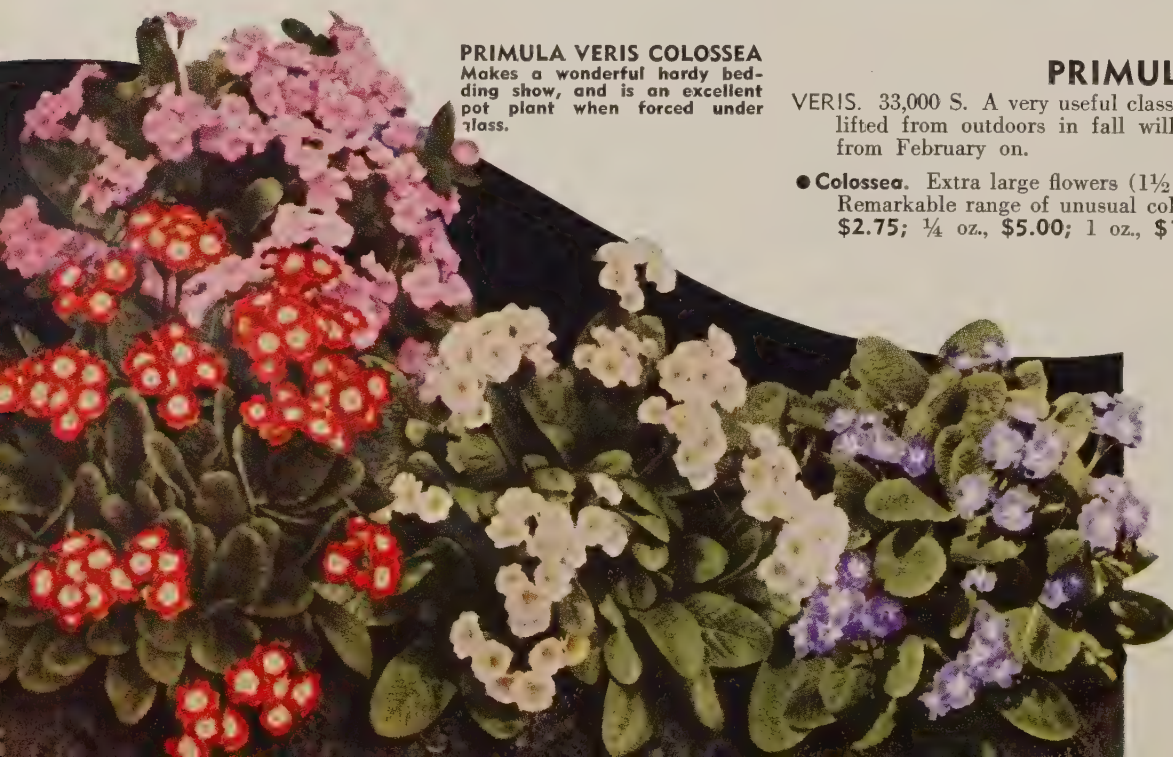
LYCHNIS

- **Chalcedonica** (Maltese Cross). 64,000 S. 36 in. Scarlet. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

Matricaria. See Feverfew, page 54.



LUPINE RUSSELL STRAIN



PRIMULA VERIS COLOSSEA
Makes a wonderful hardy bedding show, and is an excellent pot plant when forced under glass.

PRIMULA

VERIS. 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

- **Colossea**. Extra large flowers (1½ to 2 in.) on long stiff stems. Remarkable range of unusual colors. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

- **Giant Munstead Strain**. The standard strain for bedding; in shades of yellow. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

- **Polyanthus Mixture**. (Unwin's strain.) 12 in. Tr. pkt., 75c; ⅛ oz., \$2.20; ¼ oz., \$4.00; 1 oz., \$12.00.

- **Giant Monarch Strain**. A fine large-flowered mixture. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

MISCELLANEOUS PERENNIALS—Continued

PRIMULAS, Continued

MISCELLANEOUS HARDY PRIMULAS

- Giant Crimson** **Giant Yellow** **Giant White**
Prices above 3, each: tr. pkt., **75c**; $\frac{1}{16}$ oz., **\$1.75**; $\frac{1}{8}$ oz., **\$3.00**.
Cashmeriana. Ball-shaped heads of rich purple flowers with yellow centers. Tr. pkt., **\$1.00**; $\frac{1}{16}$ oz., **\$2.25**; $\frac{1}{4}$ oz., **\$7.50**.
Vulgaris (True Yellow English Primrose). 19,000 S. 6 in. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.65**; 1 oz., **\$6.00**.
Japonica. Crimson, rose and pink flowers borne in whorls on 6- to 9-in. stems. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **\$1.00**.
Annual Primulas. See page 40.

MYOSOTIS (Forget-Me-Not)

42,000 S.

- **Blue Bird** (Oblongata). 12 in. Standard blue for spring greenhouse flowering. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **85c**; 1 oz., **\$3.00**.
Palustris Semperflorens. Dwarf blue, 12 in. Flowers from early spring until autumn. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.
VICTORIA. A dwarf, compact strain. 6 to 8 in.
Dark Blue **Rose** **White** **Dwarf Mixed**
Prices above 4, each: tr. pkt., **35c**; $\frac{1}{8}$ oz., **85c**; $\frac{1}{4}$ oz., **\$1.50**.
ALPESTRIS. Biennial.
Blue Eyes. Early flowering bright blue with white eye. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$4.50**.
● **Royal Blue** (Indigo Blue). 12 in. Deep rich blue. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **85c**; 1 oz., **\$3.00**.
Myosotis Ball Early. See page 38.
Painted Daisy. See Pyrethrum, page 58.

NEPETA

- Mussini** (June-flowering Catnip). 52,000 S. 12 in. Neat bushes with lavender-blue flowers; both foliage and flowers are aromatic. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.25**.

OENOTHERA

- Youngi** (Sundrop). 18 in. Large yellow blooms. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.80**.

PENTSTEMON

- Avalon Hybrids**. (New.) 3 ft. Spikes of fine, large flowers in an extremely wide and unusual range of colors. The result of crossing 2 distinct species. Tr. pkt., **40c**; $\frac{1}{8}$ oz., **75c**; $\frac{1}{4}$ oz., **\$1.20**.

- Pentstemon**. Annual. See page 40.

PHLOX

- Beltsville Beauty**. (New.) A greatly improved perennial Phlox. Large flowered, and a wide assortment of colors. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.25**; 1 oz., **\$3.75**.
Hybrid Mixture (Decussata). 2500 S. 3 ft. Our strain of this popular perennial Phlox contains many large-flowered, brilliantly colored types. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **80c**; 1 oz., **\$2.40**.

PHYSALIS

- Francheti** (Chinese Lantern Plant). Giant orange-scarlet pods. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.

PHYSOSTEGIA

- Virginica** (False Dragonhead). 16,000 S. 4 ft. Rosy lilac. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$5.00**.
Pinks. See Dianthus, pages 34 and 53.

PLATYCODON

- GRANDIFLORUM** (Tufted Harebell or Balloon Flower). 28,000 S. 24 in. Very attractive for spring sales.
Blue. A clear, deep violet-blue. **White**
Prices above 2, each: tr. pkt., **35c**; $\frac{1}{8}$ oz., **85c**; $\frac{1}{4}$ oz., **\$1.50**.

POPPY

- ORIENTALE** (Oriental Poppy). 140,000 S. Large cup-shaped flowers with crinkled petals. Newly opened flowers when cut in early morning or late evenings will keep in water for 3 to 5 days if ends of stems are well burned within 5 minutes of cutting.
Beauty of Livermere. Dark oxblood-red. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **\$1.25**.
Brilliant. Vivid, fiery red. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **90c**; $\frac{1}{4}$ oz., **\$1.50**.
Princess Victoria Louise. The standard light orange-salmon. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.
Salmon Shades. Huge blossoms in unusual new salmon shades. Tr. pkt., **35c**; $\frac{1}{8}$ oz., **\$1.00**; $\frac{1}{4}$ oz., **\$1.75**.
Mixture. Of all colors. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.25**; 1 oz., **\$4.00**.
Annual Poppy. See page 40.

PYRETHRUM

- See page 58.

RUDBECKIA

- Purpurea** (Echinacea). 7000 S. 4 ft. Reddish purple flowers. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**.

SALVIA

- Patens**. 3800 S. 30 in. Navy blue hardy Salvia. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$4.50**.

SAPONARIA

- Ocymoides**. 5500 S. 12 in. Trailing rock plant; rose-pink flowers. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **70c**; 1 oz., **\$2.10**.

SCABIOSA

- 2400 S. Excellent large-flowered perennial cut-flower material. Seed germination sometimes slow.

- CAUCASICA**. 30 in. Flower heads up to 3 in. across.

- Goldingensis**. Large flowered, fine deep lavender. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.

- Perfecta**. Improved large flowered form of this lilac-lavender strain. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.

- **House Hybrids**. Large flowers ranging from white to deep blue. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.

STATICE

- Perennial Statice are very hardy, make good cut flower material and can be dried and dyed.

- Caspia**. 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.

- **Dumosa**. 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.

- **Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.85**.

- Perezii**. 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.85**.

- Annual Statice**. See page 44.

MISCELLANEOUS PERENNIALS—Continued

STOKESIA

Cyanea (Stokes' Aster). 3300 S. 16 in. Large blue flowers. Tr. pkt., 35c; ¼ oz., 90c.

THALICTRUM

Dipterocarpum (Meadow Rue). 12,000 S. 3 to 4 ft. Rosy purple clusters of flowers in early June. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

THERMOPSIS

Caroliniana. 3 to 5 ft. Long panicles of yellow pea-shaped flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

Trachelium. See page 45.

PYRETHRUM

ROSEUM (Painted Daisy). 18,000 S. The standard hardy cut flower class. The following varieties will make an excellent showing with a minimum of care.

Atrosanguineum. A popular dark crimson strain.

Rose. Single pink flowers.

Robinson's Dark Crimson. Giant flowered, dark red.

● **Robinson's Hybrids**. Large single mixture.

● **Semi-Double Mixture**. An excellent strain. Large flowered and free blooming.

Prices above 5, each: tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

● **Extra Double Mixture**. The percentage of large flowers, with double row of petals, exceeds that of any other strain. Note, however, that 2 years' growth is required to produce the finest flowers in any double Pyrethrum. Tr. pkt., 50c; ⅛ oz., \$1.40; ¼ oz., \$2.50; 1 oz., \$7.50.

Parthenifolium Aureum (Golden Feather). Dwarf, yellow-green foliage. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

PYRETHRUM EXTRA DOUBLE MIXTURE

An excellent cut
flower strain.

TRITOMA (Red Hot Poker)

22,000 S. Attractive long spikes from late summer until frost. 3 to 4 ft.

● **Pfitzer's Hybrids**. Large brilliant red.

Mirabilis Hybrids. Yellow and orange shades.

Prices above 2, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

TROLLIUS

8000 S. Allow seed to stand outdoors over winter for good germination. Plants require moist soil.

Ledebouri, Orange (Globe Flower). The standard variety. 2 ft. tall. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.00.

Europaeus (Golden Ball). Late yellow. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

VERONICA

Spicata, Dwarf Mixed (Speedwell). Showy, easily grown plants; brightly colored. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.

VIOLA

CORNUTA. 24,000 S. Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Apricot. Prefer Chantreyland. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

Arkwright Ruby. Maroon-scarlet with dark center. Bright color. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.65; 1 oz., \$8.00.

● **Blue Perfection**. Large flowered clear medium blue. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

● **Chantreyland**. Extra large-flowered true apricot. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

Firmament. Free blooming, clear sky-blue. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00.

Jersey Gem. Deep orchid-violet; large flowered and attractive. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00.

● **Lutea Splendens**. Clear golden yellow. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

● **White Perfection**. Small pure white. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

● **Large-Flowered Mixture**. Complete mixture of all large-flowered varieties. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

"JUMP-UPS"

These small, but free flowering Violas make excellent bedding and rock garden plants, blooming continuously from early spring to late fall.

Black Imp (Nigra). Small, velvety, coal-black flowers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

● **Blue Elf**. (Improved Johnny Jump Up). 43,000 S. Three-colored blooms of deep violet, light blue and gold are freely produced on low-growing plants. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

● **Helen Mount**. A richly colored combination of violet, lavender and canary-yellow. Very free flowering with narrow bushy foliage. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

ODORATA. The popular fragrant "English Violet."

Semperflorens. Deep blue. Tr. pkt., 35c; ¼ oz., \$1.25.

YUCCA

Hardy Varieties Mixed. Striking plants of exotic appearance. Many varieties are included in this blend. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.





Our Special Mixture of Fancy Leaved Caladiums is unexcelled. You'll find they make ideal pot plants in addition to their usefulness for cutting, and outdoor bedding in partial shade.

Candidum. Leaf snow-white with green veins and network, narrow green border.

Crimson Wave. Deep green leaf with crinkled, transparent crimson or scarlet center, crimson spots toward edge.

Mrs. F. Sander. Dark green leaf heavily blotched, transparent deep rose.

Mrs. W. B. Haldeman. Medium leaf of bright pink with narrow green edge.

Exposition. Bright red, dark green edge.

Reconcavo. Delicate rose center with carmine ribs.

Lord Derby. Transparent rose with dark green ribs and narrow green edge.

Thos. Tomlinson. Bright crimson center and blotches, narrow green edge.

Caladium Prices

Size	Named Varieties		Special Mixture	
	Per 100	Per 1000	Per 100	Per 1000
1-1½ in. diameter. No. 2	\$12.00	\$100.00	\$10.00	\$ 90.00
1½-2½ in. diameter. No. 1	18.00	160.00	16.00	150.00
2½-3½ in. diameter. Jumbo	25.00	230.00	22.00	200.00
3½ in. up. Mammoth	40.00	380.00	35.00	330.00

All Caladium tubers shipped f.o.b. Florida. Minimum order 50 bulbs.

TUBEROUS ROOTED BEGONIAS (Belgian-Grown)

For immediate and later delivery, subject to prior sale.

DOUBLE CAMELLIA-FLOWERED

Size	Scarlet Rose	Crimson Salmon	Yellow White	Copper Mixed
	Per 100	Per 100	Per 100	Per 1000
1½-2 in.	\$ 9.50			\$ 85.00
2 in. up	12.00			110.00

Minimum order 50 bulbs.

All Begonia tubers shipped f.o.b. West Chicago, Ill.

See page 64 for Summer Pot Plant Collection

Fancy Leaved *Caladiums* WONDERFUL COLORS

Valuable for:

Pot Plants

Cutting

Gardens

(Partial shade)



Gloxinia

GLOXINIAS (Belgian-Grown)

For immediate and later delivery, subject to prior sale.

Emperor Frederic. Scarlet, bordered white.

Emperor William. Violet, bordered white.

King of the Reds. Bright red.

Mont Blanc. Pure white.

Blanche de Merou. Rose, white throat.

Princess Elizabeth. Blue, white throat.

Violacea. Violet.

Queen Wilhelmina. Pink.

Mixture of all above colors.

	Per 100	Per 1000
1½-2 in.	\$13.00	\$120.00
2 in. up	20.00	185.00

Minimum order 50 bulbs.

All Gloxinia tubers shipped f.o.b. West Chicago.



Last year we shipped a third of a million of these fine Begonias. Sure proof that thousands of growers are well pleased with Ball-grown small plants.

BEGONIAS

(Fibrous-Rooted)

2¼-In. Available December to June

Adeline. Free flowering bright pink; dwarf and compact.

Ball Deep Rose. Deep rosy red during winter and spring, changing to luminous pink during warm weather. Dwarf.

Scandinavia Pink. Intermediate, free flowering, rose-pink.

Scandinavia Red. Intermediate. Bright red flowers.

Luminosa Compacta. Dwarf. Very attractive and popular scarlet-red.

Ball Red. Dwarf. Medium large flowers of bright scarlet.

Indian Maid. Intermediate. Bronze-leaved scarlet.

Carmen. Intermediate. Bright rose-pink flowers, bronze leaves.

Snowbank. Dwarf. Large, glistening white flowers.

Assorted.

\$9.00 per 100, \$80.00 per 1000. 250 at 1000 rate.
Minimum order 100; 25 of a variety.

ASTERS

Lighted 2¼-In. Plants for June Flowering
March 1 to May 15 Delivery.

Ball Shell-Pink. (New.) Long stemmed, fully double flowers of soft shell-pink. Quite wilt-resistant.

Ball White. A fine resistant white.

Ball Deep Rose. Long stemmed, bright deep rose. Very popular.

Ball Deep Purple. Rich bright purple; excellent stem.

Royal Azure-Blue. A fine commercial cut flower variety.

Assorted.

\$8.00 per 100, \$75.00 per 1000.
Minimum order 100 plants, 25 of a variety.

Ball-Grown

ORDER EARLY!

The wanted varieties
always sell out first.
Get your needs in now!

DELPHINIUM

GIANT PACIFIC HYBRIDS

2¼-In. Late March-Early June Delivery

Galahad. Finest clear white. Huge double flowers on long, closely set spikes.

Summer Skies. Light blue with an attractively contrasting white bee.

Guinevere. Excellent, light pinkish lavender; white bee.

\$10.00 per 100, \$90.00 per 1000.
Minimum order 100 plants.

MELIOR BEGONIAS

May, June, July Delivery

2¼ inch.

\$35.00 per 100, \$335.00 per 1000. 40c each in lots of 50 or less.
250 or more at 1000 rate. Minimum order 25 plants.

Melior Improved

Lady Mac

Marjorie Gibbs

3-Inch.

\$50.00 per 100. Minimum order 25 plants.
F.o.b. New York.

Lady Mac

Marjorie Gibbs

CYCLAMEN

2¼-Inch. Ready February 1 to May 1. Minimum order 100.
\$17.50 per 100, \$150.00 per 1000.

3-Inch. Ready April 1 to July 1. Minimum order 50.
\$32.50 per 100, \$300.00 per 1000.

4-Inch. Ready July 1. Minimum order 25.
\$50.00 per 100, \$475.00 per 1000.

Packing at cost.

Small Plants

1951 marks the beginning of our fifth year of starting and shipping small plants for growing on. Prior to 1947, nearly every grower of our acquaintance had repeatedly had the unfortunate experience of receiving his plants with the soil ball squeezed up, half the soil off the roots, and the plants hopelessly jumbled in the packing case. During the past four years we've shipped nearly 3 million of our banded small plants to thousands of our grower friends—and complaints on quality of plants or condition of packing have been less than 1%.



These newly started Snap plants represent but a fraction of the 900,000 small plants of all kinds which we shipped all over the United States last year.

CANNAS

Quality 3- to 5-eye divisions for delivery December through spring 1951.

The President. This variety is extremely popular. Double flowering, rich red clusters 7 to 10 inches in diameter, 8 to 10 inches long. Heavy green foliage. Dwarf, 2½ to 3½ ft. high.

Red King Humbert. A remarkable Canna, a favorite for years. Large scarlet-red flowers 6 to 7 inches in diameter. Bronze foliage. Broad, tropical leaves. 3½ to 4 ft. high.

Yellow King Humbert. An old favorite, considered one of the best yellow Cannas. Flowers are yellow, blotched with red. Petals are large, measuring from 4 to 5 inches in diameter. Foliage is a light green. Medium height, 3 to 4 ft.

City of Portland. Fine pink flowers that hold their color through hot, dry periods. Clusters measure 4 to 5 inches in diameter. Attractive deep green foliage. 3½ ft. high.

\$6.00 per 100, \$55.00 per 1000. 250 at 1000 rate.
Minimum order 100, 50 of a variety. Shipping boxes hold 200 divisions.

SNAPS

2¼-In. Available Until March

White Wonder Imp. Pure white for late winter and spring.

Margaret. Clean-growing, productive ivory-white.

Christina. Hybrid. Medium light pink.

Dorcas Jane. Hybrid. Good stems and long spikes of silvery rose.

Peggy Schumann. Creamy rose-pink. At its best for spring.

Christmas Cheer. Hybrid. Extra early bright rose-pink.

Ball Yellow Hybrid No. 1. Very productive, rich golden yellow.

Ethel. Standard midseason yellow.

Lady Dorothy. Bright orange-bronze.

Ball Red Hybrid No. 7. Most satisfactory red for Christmas or later.

Better Times. Hybrid. Bright cerise-rose.

Ball Lavender. Most popular variety in this color class.

Assorted.

\$7.00 per 100; \$60.00 per 1000. 250 at 1000 rate.
Minimum order 100; 25 of a variety.

ROSES

FOR POT FORCING

Delivery Dec.-Jan. F.O.B. West Chicago

EARLY FORCING VARIETIES

Prices All Varieties

(except Pink Rosette)

	Grade	Per 10	Case of 120	Case of 220
Triomphe d'Orleans. Red.	XXX	\$6.50	\$68.50	\$125.00
Garnette. Garnet-red.			Case of 160	
Margo Koster. Light orange.	XX	5.50	\$68.50	
Magna Charta. Bright pink.			Case of 250	
Gloria Mundi. (Late.) Orange.	X	3.50	\$68.50	
		Less than case lots in multiples of 10 only.		

See Page 64 for Rose Collection

PINK ROSETTE XXX Grade

This patented variety is being handled under license from patent owner.

Prices: 1 to 9 plants, \$1.00 each. 10 to 19 plants, 90c each. 19 to 249 plants, 75c each.

Suggested minimum retail price, \$1.50 each.



Auratum (Gold Band)

Ball's Superior Lily Bulbs

PACIFIC NORTHWEST GROWN

F.O.B. Chicago

BALL CROFTS for Cutting

	Per 100	Per Case
Size 7-8 in. 250 bulbs per case.	\$24.00	\$57.50

REGALES

Size 8- 9 in. 200 bulbs per case.	\$25.00
Size 9-10 in. 150 bulbs per case.	25.00

JAPANESE GROWN LILIES

F.O.B. Chicago

Below: Rubrum (Speciosum)



RUBRUM (Speciosum)

(Pictured at left)

Carmine-pink.

	Per Case
Size 7- 9 in. 250 bulbs per case.	\$50.00
Size 8- 9 in. 200 bulbs per case.	45.00
Size 9-10 in. 150 bulbs per case.	42.00
Size 10-11 in. 100 bulbs per case.	32.00

ALBUM (Speciosum)

(White Rubrum)

	Per Case
Size 7- 9 in. 250 bulbs per case.	\$85.00
Size 8- 9 in. 200 bulbs per case.	80.00
Size 9-10 in. 150 bulbs per case.	80.00

AURATUM (Gold Band)

(Pictured above)

White, spotted crimson; gold stripes.

	Per Case
Size 7- 9 in. 250 bulbs per case.	\$50.00
Size 8- 9 in. 200 bulbs per case.	45.00
Size 9-10 in. 150 bulbs per case.	42.00
Size 10-11 in. 100 bulbs per case.	32.00

PLATYPHYLLUM (Auratum)

Less spotted than Gold Band.

	Per Case
Size 8- 9 in. 200 bulbs per case.	\$58.00
Size 9-10 in. 150 bulbs per case.	52.00

ERABU

For Immediate Planting

	Per Case
Size 7- 9 in. 300 bulbs per case.	\$42.50
Size 8-10 in. 225 bulbs per case.	42.50
Size 9-10 in. 150 bulbs per case.	42.50

See page 64 for Lily Collection

Prices subject to change without notice.

West Coast Glad Bulbs

Our bulbs are hand dug, hand cleaned and graded, and are not mutilated or bruised by machinery. This costs us more, but it is your insurance of quality stock. Our stock is guaranteed true to name, and free from disease and thrip. Full size and count, hand graded and selected. Sold under usual disclaimer. The following are the very finest varieties for commercial growing.

PINK, SALMON and ROSE

	Price per 1000	
	No. 1	No. 2
● Chamouny. Cerise-rose, silver edge	\$27.00	\$22.50
● Ethel Cave-Cole. Light pink	24.00	20.00
● Jeannie. Pink, cream throat	24.00	20.00
● Picardy. Salmon-pink	27.00	22.50
Rosa Van Lima. Light rose-pink	30.00	24.00

LAVENDER and BLUE

Abu Hassan. Deep velvety violet-blue	45.00	37.50
Blue Beauty. Medium blue	24.00	20.00
Elizabeth the Queen. Ruffled lavender	30.00	24.00
● King Lear. Ruffled purple	24.00	20.00
● Minuet. Large clear lavender	27.00	22.50

WHITE, CREAM and YELLOW

Corona. Cream, rose edge	33.00	27.00
● Maid of Orleans. Milky white	24.00	20.00
● Margaret Beaton. White, cherry throat	24.00	20.00
● Snow Princess. Beautiful white	24.00	20.00
● Spotlight. Yellow, red blotch	33.00	27.00
Wanda. Cream sport of Picardy	27.00	22.50
White Gold. Cream	24.00	20.00
Yellow Emperor. Rich yellow	27.00	22.50

SCARLET

Algonquin. Brilliant, glowing scarlet	24.00	20.00
● Beacon. Salmon-scarlet, cream throat	27.00	22.50
Dr. Bennett. Large, fiery scarlet	24.00	20.00
● Valeria. Early scarlet	27.00	22.50

SMOKY SHADES

Zuni. Smoky rose	37.50	30.00
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MIXTURE

Florists' Mixed. Well balanced	27.00	22.50
● Dotted varieties considered best for forcing.		

Prices are f.o.b. shipping point, and are subject to change without notice. Minimum order 500 bulbs; 100 of a variety. For less than 250 of a variety, add 15% to the 1000 rate. Cash with order, or 25% deposit will hold bulbs until shipment is wanted, providing it does not exceed May 1st, unless other provisions are made. Field and storage are State inspected. All bulbs offered are subject to prior sale, so, if out of any variety, we will substitute with one equally good or better unless instructed otherwise. Shipments sent Express Collect unless other arrangements are made.

See page 64 for Glad Collection

Prices subject to change without notice.



Picardy,
finest salmon-
pink

Four Popular Collections

We have prepared collections on the items below to give you a well-balanced assortment of popular varieties.

These collections are packed and shipped f.o.b. our warehouse, West Chicago, Ill.

SUMMER POT PLANT COLLECTION

Delivery December to April.

All bulbs in this collection should be started in a minimum night temperature of 70° to be finished in 5- or 6-inch pots.

This collection is ideal for bedding in partial shade. Be sure to have bulbs available for counter sales.

Each unit contains:

125 **Tuberous Rooted Begonias.** 1½-2 inch. Assorted.

50 **Gloxinias.** 1½-2 inch. Assorted.

75 **Caladiums.** 1½-2½ inch. Assorted.

1 Case 250 Bulbs (Collection) \$30.00

GLADIOLI

For Bulb Sales or Cut Flowers

Contains 250 No. 2 size bulbs each of the 8 popular varieties listed below. Colored pictures to help you sell bulbs come with each collection. Order now and be ready for those early spring sales. Delivery December to March.

- 250 **Chamouny.** Cerise-rose, silver edge.
- 250 **Dr. Bennett.** Large fiery scarlet.
- 250 **Ethel Cave-Cole.** Light pink.
- 250 **Margaret Beaton.** White, cherry throat.
- 250 **Minuet.** Large, clear lavender.
- 250 **Picardy.** Salmon-pink.
- 250 **Snow Princess.** Beautiful white.
- 250 **Yellow Emperor.** Rich yellow.

1 Case 2000 Bulbs (Collection) \$42.50

ROSES

XXX COLLECTION
For Pot Forcing

Delivery December-January.

- 60 **Triomphe d'Orleans.** Red.
- 20 **Garnette.** Garnet-red.
- 20 **Margo Koster.** Light orange.
- 20 **Magna Charta.** Bright pink.

120 Plants (Collection) .. \$68.50

BALL HARDY LILY BULBS

An ideal unit for growers who want only a small number of Lilies in several varieties.

Every unit contains cultural information for both greenhouse and outdoor growing of each variety. Pictures of each variety are also included to help you sell bulbs.

Each unit contains the following:

- 35 bulbs **Croft.** Trumpet. Pure white.
- 35 bulbs **Regale.** Trumpet. White with pale pink.
- 35 bulbs **Rubrum.** Reflex. Carmine-pink.
- 35 bulbs **Auratum.** Bowl. White, spotted crimson; yellow stripes.
- 35 bulbs **Album.** Reflex. White Rubrum.

1 Case 175 Bulbs (Collection) \$48.00

For Separate Varieties See Pages 59 Through 63

Prices subject to change without notice.

OUR "TRAVELING MEN"

Realizing that the only personal contact many of our customers have with the firm is thru our salesmen, we take care in selecting men of the highest calibre for these strategic positions. Many of our salesmen have been with us for over 15 years. Yet several of the best are relatively new to the organization. One and all, they're well posted on our products and anxious to serve you in every way possible.



Seated around the table during last fall's sales meeting, left to right: Jim Hogan, our Pacific Northwest man who is now covering Colorado as well; Walter Gatewood, recently deceased; Bob Whitman, Iowa and Minnesota; Enos Wampole, Middle Atlantic States; Clarence Bahnfleth of our Plant and Bulb Department; Blaine Stuhlsatz, Chicago area; Karl W. Samuelson, California, who also handles our bulb purchasing in the Northwest; Bob Lingruen, Ohio and West Virginia; Lyle Hauser, Michigan; Jim Tufts, New England; Franz Neumann, Milwaukee; Charley Newbold, Long Island.

Seated behind are on the left, John Gatewood, Missouri and Kansas; Paul DeVor, of the Rose firm Amling-DeVor, who talked to the men on Roses. On the right side of the picture, seated behind, are Earl Willison, upstate New York, western Pennsylvania; and John J. Masten, Southwest, including Texas and Oklahoma.

Standing in the rear, left to right: Geo. K. Ball, F. D. Balzhiser, Robert Ball, Dick Miller and Carl Ball of the home office.

Unable to attend: Charley Moles, New Jersey and downstate New York; and Joe Berman, Southeast.

CATALOG No. 62—SPRING 1951—BUSINESS TERMS

NOTE—Cash or C.O.D. Discount! Prices quoted on Cyclamen seed, Lawn Grass and Plant Bands are net, no cash discount. Plant and Bulb prices are net unless quoted differently in special catalogs or lists. Otherwise, when cash is enclosed, or on C.O.D.s, a discount of 5% is allowed on all seed orders from \$5.00 to \$25.00. On \$25.00 and over, 8% is allowed. Plants, Bulbs and Plant Bands **cannot** be sent C.O.D.

If this is your first order, it should be signed with some **individual's name** in writing. Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

IMPORTANT. Make all checks or money orders payable to **Geo. J. Ball, Inc., WEST Chicago, Illinois.** Not responsible for currency sent in the mail.

Business Hours (holidays excepted) are 8 to 12 and 1 to 5 Monday through Friday: 8 to 12 Saturday. Our phone number is West Chicago 299.

All Prices in this catalog subject to change without notice.

All Seed Orders sent prepaid in U. S. and Canada at catalog prices.

Our Business is with Florists only. We do not sell at retail.

Shortages. All items are offered subject to crop failures or shortages.

LIMITATION OF WARRANTY. We, Geo. J. Ball, Inc., warrant, to the extent of the purchase price, that Seeds, Plants or Bulbs sold are as described on the container, within recognized tolerances. We give no other or further warranty, express or implied.

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We Also Issue a Complete Catalog of Mum and Carnation Cuttings. Write for Your Copy.



NEW BALL WHITE ASTER

(Photo actual size)

This, the culmination of 5 years of intensive Aster breeding here at West Chicago, is a pure white Aster of which we are genuinely proud.

The fully double flowers are 3½ to 4 inches across when completely open, the center petals of the young blooms being arranged in spiral fashion and becoming fluffy and full as the flower matures. Stems are long and sturdy, requiring little disbudding, and resistance to wilt is very high. Normal blooming date is September 1, but it is equally satisfactory when flowered at any time throughout the summer with the aid of early lighting.

Growers who have been dissatisfied with the open centers common in some of today's Asters will find the NEW BALL WHITE a definite improvement in this respect. Because of complete doubleness of the bloom, this strain sets seed very shyly and seed supply is limited this year.

½ tr. pkt., 60c; tr. pkt., \$1.00; ¼ oz., \$1.75. Limit ½ oz.

Geo. J. Ball
I N C.
WEST CHICAGO
ILLINOIS